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**Community Environmental Response
Facilitation Act (CERFA) Report**

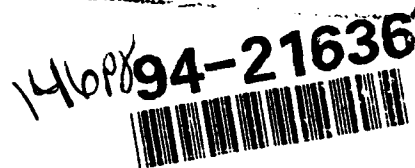
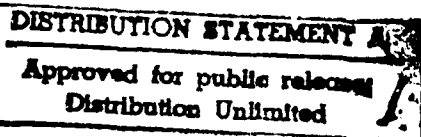
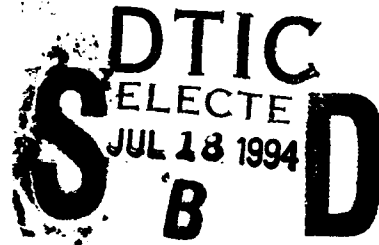
**Sacramento Army Depot
Sacramento, California**

Prepared for:

U.S. ARMY ENVIRONMENTAL CENTER
ABERDEEN PROVING GROUND, MARYLAND 21010

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Aberdeen Proving Ground, Maryland 21010

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Arthur D Little

**Community
Environmental
Response Facilitation
Act (CERFA) Report**

**Sacramento Army
Depot, Sacramento,
California**

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Program Manager, Robert Lamb Date

Susan Coons 3-31-94
Project Manager, Susan Coons Date

Submitted to

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This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted at the Sacramento Army Depot (SAAD), a U.S. Government property selected for closure by the Base Realignment and Closure Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation, as required under CERFA (Public Law 102-426), is for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Satisfying this objective requires the identification of real property where no CERCLA-regulated hazardous substances or petroleum or their derivatives were stored for one year or more, known to have been released, or disposed of.

Existing investigation documents, U.S. Environmental Protection Agency, state, and county regulatory records, environmental data bases, and title documents pertaining to SAAD were reviewed during this investigation. Interviews and visual inspections of SAAD and data base searches for the surrounding properties were conducted. This information was used to categorize the installation into four types of parcels. Approximately 24 acres of the 485-acre facility have no history of CERCLA-regulated hazardous substance or petroleum product release, disposal, or storage, and are categorized as CERFA parcels. Approximately 27 acres of the facility had no evidence of such release, disposal, or storage, but contained other environmental or safety hazards, such as asbestos-containing building materials, radon gas, lead-based paint, unexploded ordnance, radionuclides, or out-of-service polychlorinated biphenyl-containing transformers, and were categorized as CERFA parcels with qualifiers. Approximately 363 acres of the facility had a history of release, disposal, or storage for one year or more of CERCLA regulated hazardous substances or petroleum products, and were categorized as CERFA disqualified parcels. The remaining approximately 71 acres of the installation have an existing mandate for retention by the federal government, or have already been transferred by deed and are categorized as CERFA excluded parcels.

The accompanying map summarizes the CERFA categorization of SAAD.

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List of Acronyms and Abbreviations

AAFES	Army and Air Force Exchange Service
ACBM	Asbestos-containing building material
AREE	Area requiring environmental evaluation
BRAC	Base realignment and closure
CARC	Chemical agent resisting coating
CCL	Commodity command license
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERFA	Community Environmental Response Facilitation Act
CORTESE	State-designated hazardous waste cleanup sites
DESCOM	U.S. Army Depot Systems Command
DTSC	Department of Toxic Substance Control
EMD	Environmental Management Division
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification system
FFA	Federal Facility Agreement
FINDS	Facility index system
HWCSA	Hazardous waste container storage area
IRP	Installation Restoration Program
IWTP	Industrial waste water treatment plant
JSIIDS	Joint security intrusion interdiction detection system
kg	Kilogram
MSL	Mean sea level
NEPA	National Environmental Policy Act
NFA	No further action
NFI	No further investigation
NPL	National priorities list
PA	Preliminary assessment
PAH	Polynuclear aromatic hydrocarbons
PBR	Permit by rule
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene
POL	Petroleum, oil, and lubricant
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource conservation and recovery information system
RI/FS	Remedial investigation/feasibility study
ROD	Record of decision
SAAD	Sacramento Army Depot
SMAQMD	Sacramento metropolitan air quality management district
SVOC	Semi-volatile organic compound
SWMU	Solid waste management unit
t-1,2-TCE	Trans-1,2-dichloroethene
TCE	Trichloroethene

List of Acronyms and Abbreviations

TSD	Treatment, storage, and disposal
USAEC	U.S. Army Environmental Center
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
UST	Underground storage tank
UXO	Unexploded ordnance
VOC	Volatile organic compound

Executive Summary

This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted by Arthur D. Little, Inc. at the Sacramento Army Depot (SAAD), a U.S. Government property selected for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation, as required under CERFA (Public Law 102-426), is for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Satisfying this objective requires the identification of real property where no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-regulated hazardous substances or petroleum or their derivatives were stored for one year or more, known to have been released, or disposed of.

The property examined under this investigation is a 485-acre site located in Sacramento County, California, approximately seven miles southeast of downtown Sacramento, California. SAAD was principally an electronics supply depot responsible for the receipt, storage, issue, maintenance, and disposal of electrical equipment. Operations include shelter repair, electro-optic equipment repair, and metal plating and treatment. A variety of hazardous and flammable materials have been used at SAAD, including organic solvents, oil and grease, fuels, lubricants, caustic solutions, and metal plating baths. SAAD has also supported the following tenant activities: Television-Audio Support Activity; Army Health Clinic; First Brigade (Basic Combat Training) 91st Division (Training), Army Reserve Center; Army Information Systems Command Detachment; Navy-Marine Corps Reserve Training Center; and Navy Broadcasting.

Arthur D. Little reviewed existing investigation documents, U.S. Environmental Protection Agency (EPA), state, and county regulatory records, environmental data bases, and title documents pertaining to SAAD during this investigation. In addition, Arthur D. Little conducted interviews and visual inspections of SAAD, as well as visual inspections and data base searches for the surrounding properties. This information was used to categorize the installation into four types of parcels: CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, and CERFA Excluded parcels.

Areas of the facility that have no history of CERCLA-regulated hazardous substance or petroleum product release, disposal, or storage are categorized as CERFA parcels. Arthur D. Little's investigation and subsequent parcelization of the 485-acre installation property determined that approximately 24 acres of the facility fall within the CERFA parcel category. The CERFA parcels are located in the northern and southeastern portions of the installation.

Areas of the facility that had no evidence of such release, disposal, or storage, but contained other environmental or safety hazards, such as asbestos-containing building materials, radon gas, lead-based paint, unexploded ordnance (UXO), radionuclides, or out-of-service polychlorinated biphenyl (PCB)-containing transformers, were

Executive Summary

categorized as CERFA parcels with qualifiers. Approximately 27 acres of the facility were identified as CERFA parcels with qualifiers.

Areas of the facility for which there is a history of release, disposal, or storage for one year or more of CERCLA regulated hazardous substances or petroleum products were categorized as CERFA disqualified parcels. Approximately 363 acres of installation property are identified as CERFA disqualified parcels.

The remaining areas on the installation have an existing mandate for retention by the federal government, or have already been transferred by deed and are categorized as CERFA Excluded parcels. Approximately 71 acres of the facility were identified as CERFA Excluded parcels. These parcels are located in the southeastern quadrant.

The accompanying map summarizes the CERFA categorization of SAAD based on the above definitions. The CERFA Report for this installation provides the relevant environmental history to substantiate the parcel categorization.

This CERFA Report has been reviewed by the U.S. Army Environmental Center (USAEC), the SAAD Installation, Region IX Environmental Protection Agency, and the California State Department of Toxic Substances Control. Comments from these organizations have been incorporated into this final report. Any unresolved issues from the regulatory agencies have been incorporated in the Response to Comments provided in Appendix B of this document.

The primary objective of CERFA is satisfied by the identification of CERFA parcels and CERFA parcels with qualifiers. As a result, concurrence has been sought from the regulatory agencies on these two categories of parcels.

This report does not address other property transfer requirements that may be applicable under the National Environmental Policy Act (NEPA), nor does it address natural resource considerations such as endangered, rare, or threatened plant or animal life.

This final CERFA report incorporates relevant environmental information available through February 15, 1994.

1.0 Introduction

1.1 Purpose and Scope

Public Laws 100-526 and 101-510 designated more than 100 Department of the Army facilities for closure and realignment. As a result, it became necessary to expedite the environmental investigation and cleanup process, as necessary, prior to the release and reuse of Army Base Realignment and Closure (BRAC) property. The BRAC environmental restoration program was established in 1989 with the first round (BRAC 88) of base closures and continued with subsequent rounds (BRAC 91 and BRAC 93). The BRAC program is patterned after the Army's Installation Restoration Program (IRP), except that it has been expanded to include such categories of contamination as asbestos, radon, polychlorinated biphenyls (PCBs), and others that are not normally addressed under the Army IRP.

The BRAC environmental restoration program began by conducting Enhanced Preliminary Assessments (PAs). The term "enhanced" is used to distinguish these assessments from previous IRP preliminary assessments since the BRAC PAs are conducted from a property transfer perspective and evaluate areas that are not included in the IRP (e.g., asbestos, radon, PCBs). The Enhanced PAs include reviews of existing installation documents, regulatory records, and aerial photographs; a site visit and visual inspection; and employee interviews. Enhanced PAs were conducted for BRAC 88 and BRAC 91 installations, and are currently underway at BRAC 93 installations. An Enhanced PA was prepared for the Sacramento Army Depot (SAAD) in 1990 by Roy F. Weston, Inc., under the direction of the U.S. Army Environmental Center (USAEC) formerly the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA).

In October 1992, Public Law 102-426, the Community Environmental Response Facilitation Act (CERFA) amended Section 120(h) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and established new requirements with respect to contamination assessment, cleanup, and regulatory agency notification/concurrence for federal facility closures. CERFA requires the federal government, before termination of federal activities on real property owned, to identify property on which no hazardous substances were stored, released, or disposed of. Also, the designation must be concurred with by the appropriate regulatory agency (U.S. Environmental Protection Agency on National Priorities List (NPL) bases and the state agency on non-NPL bases). These requirements retroactively affect the Army BRAC 88 and BRAC 91 environmental restoration activities, and are being implemented at BRAC 93 sites concurrently with their Enhanced PAs. The primary CERFA objective is for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Although CERFA does not mandate the Army transfer real property so identified, the first step in satisfying the objective is the requirement to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed of.

1.0 Introduction

Arthur D. Little, Inc., was awarded the task to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed at five BRAC 91 sites. Under this task, a Work Plan was developed to describe the process in satisfying the CERFA task objective. The purpose of this report is to present the findings for SAAD in Sacramento, California.

1.2 Definition of Terms

The following definitions are used in this report:

- **CERFA parcel** - A portion of the installation real property for which investigation revealed no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. CERFA parcels include areas where PCB-containing equipment is in operation, but there is no evidence of release. CERFA parcels also include any portion of the installation that once contained related environmental, hazard, or safety issues including unexploded ordnance (UXO) located on firing ranges or impact areas, radon, stored (not in use) PCB-containing equipment, products that contained radionuclides being used for their intended purposes, asbestos contained within building materials, and lead-based paint applied to building material surfaces, but that has since been removed or fully remediated.
- **CERFA parcel with qualifier(s)** - A portion of the installation real property for which investigation reveals no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. The parcel does however contain related environmental, hazard, or safety issues, including UXO located on firing ranges or impact areas, radon, radionuclides contained within products being used for their intended purposes, asbestos contained within building materials, lead-based paint applied to building material surfaces, or stored (not in use) PCB-containing equipment.
- **CERFA disqualified parcel** - A portion of the installation real property for which investigation reveals evidence of a release disposal, or storage for more than one year of a CERCLA hazardous substance, petroleum, or petroleum derivative; or a portion of the installation threatened by such a release or disposal. CERFA disqualified parcels also include any portion of the installation where PCB, asbestos containing material, lead-based paint residue, or any ordnance has been disposed of, and any locations where chemical ordnance has been stored. Additionally, CERFA disqualified parcels include any areas in which CERCLA hazardous substances or petroleum products have been released or disposed of and subsequently fully remediated.

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- CERFA-Excluded parcel - A portion of the installation real property retained by the Department of Defense, and therefore not explicitly investigated for CERFA. CERFA-Excluded parcels also include any portions of the installation that have already been transferred by deed to a party outside the federal government, or by transfer assembly to another federal agency.

1.3 Geographical and Environmental Setting

SAAD is located in the southern portion of the Sacramento Valley, approximately seven miles southeast of downtown Sacramento, California. The site is in an industrial area and is bordered by Fruitridge Road to the north, Florin Perkins Road to the east, Elder Creek Road to the south, and the Southern Pacific Railroad tracks to the west.

The Sacramento Valley experiences a Mediterranean climate with nearly all of the annual precipitation (approximately 18 inches per year) occurring as rain in the winter months; precipitation in June and July is negligible. The prevailing winds at SAAD are southerly, except during November, when they are northerly.

The soil in the northern portion of the facility is defined primarily as urban land; the southern portion is composed of hedge loam (0 to 2 percent slopes) and leveled San Joaquin silt loam (0 to 1 percent slopes). The soils may range in thickness from 0 to 100 feet and consist of unconsolidated gravel, sand, silt, and clay deposited along stream channels, and on terraces, floodplains, and basins. The site is primarily underlain by Quaternary alluvium of the Riverbank Formation.

The general topography in the vicinity of SAAD is gently rolling to flat and exhibits normal alluvial terrace and floodplain morphology. The topography at the SAAD site is virtually flat with a southwesterly slope of approximately 0.1 to 0.2 percent from the northeastern corner of the site. The topographic relief is 6.5 feet across the site and elevation ranges from 42 feet mean sea level (MSL) to 36 feet MSL.

SAAD is within the Morrison Creek Drainage Basin, which lies completely within Sacramento County. Morrison Creek is the only surface water body on the installation and represents the primary drainage feature; however, the installation covers only about 0.6 percent of the total basin drainage area. Morrison Creek enters on SAAD's eastern boundary and its natural course would almost bisect the installation from east to west. However, since the construction of the installation, the creek was redirected to the south and parallels the perimeter of the southern half of the property to its original discharge point on the western boundary. SAAD had been subject to intermittent flooding (up to 40 percent of the installation) by overflows from Morrison Creek prior to construction of the surrounding levees; since then, only minor floods have occurred due to saturation of the shallow permeable surface soils over the highly impermeable hardpan stratum. Year-round flow in Morrison Creek is

1.0 Introduction

sustained by rainfall in the winter and by agricultural runoff and regional industrial discharges during the dry months.

Stormwater runoff from the SAAD collection system discharges into Morrison Creek. SAAD sanitary sewers empty into the Sacramento Regional Sanitary District System which drains into the combined (wastewater and stormwater) wastewater treatment plant. In the past, SAAD discharged wastewater from a number of industrial processes into Morrison Creek; SAAD industrial wastewater is no longer discharged to the creek.

As part of the ground water investigation and remediation program at SAAD, numerous on-site and off-site ground water monitoring wells have been installed to monitor known sources of contamination at the installation. Monitoring wells have also been located around the perimeter of the installation; these wells provide a mechanism to detect potential migration of contamination onto the installation from upgradient sources.

Subsurface investigations indicate the presence of four distinct hydrogeologic zones under SAAD: Zone A at 80 to 107 feet, Zone B at 110 to 148 feet, Zone C at 156 to 188 feet, and Zone D at 195 to 230 feet below ground level. Water level measurements indicate that the ground water gradient beneath SAAD is 1.5 to 1.8 feet per 1,000 feet, and direction of flow is from northeast to southwest. Local variations in the subsurface flow direction occur due to extensive pumping and the presence of subsurface abandoned stream channels of the American and Sacramento rivers; the abandoned channels impede or change flow directions due to variations in permeability and hydraulic conductivity caused by varying clay content. Ground water elevations may be influenced by the ground water extraction and treatment system being operated in the southwestern corner of the SAAD site to remediate the ground water contamination.

Wildlife habitat at SAAD varies from unimproved grassland and open grassland to manicured lawns in the southern portion of the complex. Herbaceous perennial and woody stemmed plants are present throughout the SAAD. Animal species observed at SAAD include the California ground squirrel, burrowing owl, blacktail jackrabbit, ring-necked pheasant, red fox, mourning dove, American kestrel, western meadowlark, starlings, and crows. The burrowing owl is a species of special concern within the state of California.

The California linderiella, a 1-inch long invertebrate sometimes called a "fairy shrimp," which was proposed for federal endangered species status in 1992, has also been observed on the SAAD installation. One of the three observed locations, located in the northwest portion of the installation, is considered a viable habitat and has been fenced and marked with signs to prevent adverse impacts on the area.

1.0 Introduction

In August 1990, a small wetland area was identified in the northwest corner of the installation property, adjacent to the former reservoir. Cattails and sedges are the dominant vegetation, with crabgrass noted throughout the marsh. The marsh no longer exists and was determined to have been caused by a leak in the water main. The leak was repaired in 1991, reducing the availability of water to this area.

Known wetlands at SAAD consist of numerous small seasonal depressions, the Old Morrison Creek channel, and portions of the current Morrison Creek. One low-lying area along the Old Morrison Creek channel was identified as a potential vernal pool and is part of the Oxidation Lagoons remediation project, and SAAD has a permit from the U.S. Army Corps of Engineers to fill this area. No other vernal pools are located within the fenced area of the installation. However, a possible vernal pool is located along the northwest portion of the installation between the fence and the property boundary; this area is currently under evaluation.

2.0 Scope of Investigation

The potential environmental impact of the operations at SAAD have been extensively investigated. This CERFA assessment was based on: a four-day site visit; interviews with installation personnel, USAEC personnel, U.S. Army Corps of Engineers personnel, Ebasco, Inc. personnel, and local, state, and federal regulators (see Section 2.3, Interviews); and review of existing reports (available through February 15, 1994), aerial photographs, and maps (see Section 2.1 and Section 4.1). Personal communication with the SAAD Environmental Management Division (EMD) staff provided most of the site-specific information.

2.1 Existing Investigation Documents

There are numerous documents evaluating the potential environmental impact of activities at SAAD. The following documents provide an overall assessment of the installation and were the primary documents used to identify all possible sites of storage, release, or disposal of hazardous substances or petroleum products or their derivatives.

- Installation Assessment of Sacramento Army Depot, USATHAMA Report No. 146, December 1979. (R-10)
- Ground-Water Contamination Survey No. 38-26-0883-89, Evaluation of Solid Waste Management Units, Sacramento Army Depot, Sacramento, California, U.S. Army Environmental Hygiene Agency, 1988-1989. (R-11)
- Enhanced Preliminary Assessment, U.S. Army Corps of Engineers, Sacramento District, Roy F. Weston, Inc., December 1990. (R-9)
- RCRA Facilities Assessment, Appendix C Sampling Visit Report RFA Sites Sacramento Army Depot; Report prepared for U.S. Army Corps of Engineers, Sacramento District, by Kleinfelder, Inc., Job No. 24-150004-A22; December 17, 1990. (R-5)
- Environmental Contamination Survey and Assessment of Sacramento Army Depot (SAAD), Battelle, November 1981. (R-28)
- Environmental Planning Guide, Sacramento Army Depot, U.S. Army Corps of Engineers Sacramento District, Ebasco, Inc., February 1993. (R-4)
- Environmental Impact Statement (Draft), U.S. Army Corps of Engineers Sacramento District, Ebasco, Inc., June 1993. (R-27)
- Aerial Photographic Analysis of the Sacramento Army Depot, U.S. Army Corps of Engineers Sacramento District, Kleinfelder, Inc., February 1990. (R-13)

2.0 Scope of Investigation

- **Federal Facility Agreement for the Sacramento Army Depot under CERCLA Section 120, U.S. EPA Region IX and the State of California and the U.S. Army. (R-25)**

In addition to the primary documents listed above and the other specific documents cited throughout this report and referenced in Section 6.0, a number of other documents, prepared during the course of the environmental assessments and investigations at SAAD, were made available. Since many of these documents had been reviewed and incorporated into the earlier overall assessments, not all of these were referenced directly during the CERFA assessment. A complete list of the available SAAD documents is provided at the end of Section 6.0.

Two summary reports, evaluating the available aerial photos for SAAD, were reviewed within the CERFA assessment: the Aerial Photographic Analysis of the Sacramento Army Depot, prepared in 1990 for the U.S. Army Corps of Engineers by Kleinfelder, Inc.; and the Air Photo Analysis, prepared in 1981 for USATHAMA by the U.S. EPA Environmental Monitoring Systems Laboratory. These reports included an evaluation of the available aerial photographs to identify areas of former activities that could result in environmental impacts; the areas of potential concern were further investigated in subsequent SAAD environmental assessments. The primary purpose, within the CERFA assessment, of reviewing these photographs was to confirm that there was no evidence of former storage, release, or disposal of hazardous substances or petroleum products or their derivatives within potential CERFA parcels; a re-interpretation of the photographs was not performed. Aerial photographs from 1946, 1949, 1961, 1968, 1975, and 1981 were reviewed. None of the photographs demonstrated evidence of former storage, release, or disposal of hazardous substances or petroleum products or their derivatives within any of the CERFA parcels, including the CERFA parcels with qualifiers.

The base map used for locating and recording all sites of storage, release, and/or disposal of hazardous substances or petroleum products or their derivatives was obtained from Ebasco. The map was digitized by Ebasco using the 1991 Black & Veatch Site Plan for SAAD.

2.2 Federal, State, and Local Government Regulatory Records

The CERFA assessment addressed the requirements of CERCLA 120(h)(4)(A)(i) and (vi) for: (i) "detailed search of Federal Government records pertaining to the property"; and (vi) "reasonably obtainable Federal, State, and local government records of each adjacent facility where there has been a release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property."

2.0 Scope of Investigation

As discussed in Section 2.1, the available documents and records regarding the SAAD installation itself were reviewed as part of the CERFA assessment. The primary documents are listed in Section 2.1, and additional resources are listed in Section 6.0. In addition, federal and state records for the installation and neighboring properties within 1 mile of the property were accessed by a computerized search of the following databases:

Federal Data Search

- National Priorities List Superfund Sites
- EPA CERCLIS sites
- ERNS Spills
- RCRA Corrective Action
- RCRA Subtitle D Landfills
- RCRA Facilities
- FINDS Facilities

State Data Search

- State Superfund Sites
- State Landfills
- Leaking USTs
- Registered USTs

The findings of the computerized database search are summarized below. The releases to adjacent properties identified in the records search do not suggest a likely impact to the SAAD real property. The full report, with maps indicating the locations of the identified neighboring facilities, is provided in Appendix A.

Sacramento County environmental staff were also contacted but no additional information (that was not included in the existing documents or the database search) on SAAD or adjacent property was provided.

National Priorities List Superfund Sites

National Priorities List (NPL) sites are those sites that are determined by EPA to pose an immediate public health hazard requiring immediate cleanup response. SAAD is an NPL site; no other NPL sites were identified within a 1-mile radius.

CERCLA Sites

The EPA CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) database tracks sites found in the CERCLA data system. These sites are usually abandoned or inactive hazardous waste sites that are being reviewed to determine the extent of public hazard.

In addition to SAAD, three CERCLIS listings were identified within 1 mile of SAAD: Pine Mountain Corp., 6001 Power Inn Road; L&D Landfill, 8635 Fruitridge Road; and Takyo Electric, 8604 Elder Creek Road. The database indicated that none

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of the three sites had been listed on the proposed or final NPL, and that no further remedial action was planned for any of the sites.

ERNS Spills

EPA maintains the Emergency Response Notification System (ERNS) as the information repository for information on Hazardous Spills nationwide. This information is based on reports filed by local agencies (e.g., municipal fire, police, or environmental departments), county agencies, state entities, and federal agencies (e.g., Coast Guard, National Response Center, and EPA).

Seventeen ERNS reports were located within a 1-mile radius of SAAD. Most of the reports document minor, localized releases that are not likely to have impacted the SAAD property. A few releases with the potential to impact Morrison Creek upstream of SAAD were reported; since the creek no longer flows through SAAD, these releases are not expected to have impacted the installation. However, they demonstrate the potential impact of historical industrial releases to Morrison Creek before the creek was redirected.

RCRA Corrective Action

Facilities listed in this EPA database are Resource Conservation and Recovery Act (RCRA) facilities for which a Corrective Action has been issued to address waste handling problems. A RCRA Corrective Action (battery acid handling facility at Building 411) has been issued for SAAD. There are no other facilities within a 1-mile radius for which a RCRA corrective action has been issued.

RCRA Notifier Facility Report

This database contains all facilities identified in RCRIS (Resource Conservation and Recovery Information System). The facility types include: large quantity generators; small quantity generators; conditionally exempt facilities; transporter facilities; and treatment, storage, and disposal (TSD) facilities. Large quantity generators generate over 1,000 kg hazardous waste/month, or greater than 1 kg acutely hazardous waste as defined by RCRA. Small quantity generators generate more than 100 and less than 1,000 kg of hazardous waste during any calendar month.

In addition to SAAD, 32 RCRA generator facilities were identified within the 1-mile radius. The area surrounding SAAD is heavily industrial and many of the businesses in the area would be expected to be identified as RCRA generators. Twelve industrial facilities were listed as large quantity generators and 12 were listed as small quantity generators; the 8 other facilities were classified as conditionally exempt. No RCRA violations were reported in the database for any of the facilities.

FINDS Facilities

The EPA Facility Index System (FINDS) references any facility or event that has been issued an EPA ID number; the EPA program office that issued the ID number is also listed. These listings do not necessarily reflect releases.

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Two facilities at SAAD and eight neighboring facilities were listed in this database. The most common EPA programs identified in the listings are pesticides and toxic substances, air and radiation, solid waste, and water enforcement.

State Hazardous Waste Sites and Landfills

The state of California database was searched to identify state-designated hazardous waste cleanup sites (CORTESE sites) and landfills within the 1-mile radius of SAAD.

In addition to the three active California hazardous waste cleanup sites identified at SAAD, three active cleanup sites were identified within a 1-mile radius of SAAD: Palm Iron and Bridge Works, 8845 Elder Creek Road; Metalloy, Inc., 8588 Thys Court, and an unnamed facility at Power Inn and Fruitridge Roads. (Five other CORTESE sites were also listed in the report but the location of these sites and proximity to SAAD is not known.) The L&D Landfill (identified in the CERCLIS database) was also identified as a landfill in the state database.

State Registered Underground Storage Tanks

This database tracks all known and permitted registered underground storage tanks (USTs). There are four USTs on the SAAD installation: three at the AAFES gas station (Building 699), and the 4,000-gallon diesel tank designated as Building 250. In addition, 44 Registered USTs were located within the 1-mile radius of SAAD.

Leaking Underground Storage Tanks

The search of this state of California database identified one leaking UST at SAAD and 21 additional leaking USTs within the 1-mile search radius. The on-site spill and USTs are discussed in Section 4.1 of this report. Several of the reported leaking USTs located in the vicinity of SAAD could potentially represent sources of contamination. However, any soil contamination associated with the leaking USTs would not be expected to migrate onto the installation; most of the sites had been investigated and, if necessary, remediation undertaken. Since ground water monitoring wells have been installed around the perimeter of the installation, especially on the northern and eastern sides, any contaminated ground water migrating onto the installation would be detected. These wells have not detected any contamination (R-26).

2.3 Interviews

The requirement of CERCLA 120(h)(4)(A)(vii) for "interviews with current or former employees involved in operations on the real property" was addressed by the CERFA assessment. Extensive interviews of current and former SAAD employees involved in operations at SAAD had been carried out as part of the Installation Assessment of SAAD (R-10) and the Enhanced Preliminary Assessment (R-9); these interviews were not duplicated in the CERFA assessment. Interviews were conducted, as necessary, to address specific questions regarding the storage, release, or disposal of hazardous

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substances or petroleum products or their derivatives, and to determine the current status of ongoing investigations at SAAD.

The staff of the Environmental Management Division (EMD) at SAAD were the main source of information on the environmental conditions and recent remediation activities at the installation. A listing of the people interviewed, including EMD staff, is provided in Table 2.3-1.

2.4 Visual Inspections

The requirements of CERCLA 120(h)(4)(A)(iv) and (v) for "visual inspection of the real property and any buildings, structures, equipment, pipe, pipeline, or other improvements on the real property, and a visual inspection of properties immediately adjacent to the property" and "physical inspection of the property adjacent to the real property, to the extent permitted by owners or operators of such property" were addressed within the CERFA assessment. Visual inspection of the site included an initial tour with EMD staff on August 30, 1993, and several additional on-site inspections during the period from August 30, 1993 to September 3, 1993. The on-site inspections included walking tours of the open areas and some of the trenched areas, as well as inspections of selected buildings/warehouses. A tour of the immediately adjacent property was performed on September 1, 1993 as part of the site visit; none of the adjacent properties appeared to represent a likely source of release or threatened release of hazardous substances or petroleum products or their derivatives. The federal and state database search confirmed this observation.

The on-site visual inspections were conducted for the purposes of identifying uncontaminated property, i.e., CERFA parcels, and identifying environmental releases that may impact the CERFA parcels. Visual inspections were conducted mainly on specific portions of the SAAD property for which there was no existing evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives. If information on current or former activities conducted in a specific area, or information from any of the environmental investigations indicated that a specific area should be disqualified from consideration as a CERFA parcel, then a physical inspection of that area was not a priority.

The results of the visual inspections are referenced in Table 5.1-1 if evidence for disqualification was observed during the site visit. For buildings that were known to have similar activities, such as the large warehouses, selected portions of the warehouses were inspected. For example, based on the SAAD inventory of hazardous materials and on-site observations, all of the warehouses were disqualified for storage of hazardous substances or petroleum products or their derivatives. However, all potential CERFA parcels and CERFA parcels with qualifiers were inspected.

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2.5 Title Documents

CERCLA 120(h)(4)(A)(ii) requires a review of the "recorded chain of title documents regarding the real property." For the CERFA assessment, USAEC requested a review of SAAD tract maps and transfer documents to identify the prior property owners at the time of transfer to the Army. The purpose of this review was to collect additional information concerning the prior use and environmental condition of the property at the time of transfer to the Army. Title documents available from the U.S. Corps of Engineers Real Estate Division in Sacramento, California were evaluated. Previous ownership and the dates of transfer to the Army are indicated on the Tract Acquisition Map (Figure 5-2) and summarized in Table 2.5-1.

USAEC requested that title documents for all tracts acquired since 1970 be reviewed. According to the title documents, all property currently comprising the Sacramento Army Depot was acquired in the 1940s and no title searches were performed. The only areas for which prior ownership would indicate a potential for environmental concern are the three tracts acquired from the Central Pacific Railway Company and the Southern Pacific Company, i.e., Tracts 10, 11A, and 11B. These three tracts run along the western edge of the installation. With the exception of the southwest corner, which is within the CERFA Excluded parcel, these tracts are all within areas that have already been categorized as CERFA disqualified parcels and are not being considered CERFA parcels.

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Table 2.3-1: Sacramento Army Depot Interview List

Interview Number	Date	Name	Telephone	Organization
1	6/93-10/93	Dominique Edwards	410-671-1609	USAEC
2	9/93-10/93	John Green	916-388-4885	SAAD-EMD
3	8/93-10/93	Rick Solander	916-388-2489	SAAD-EMD
4	9/2-3/93	Dan Oburn	916-388-4344	SAAD-EMD
5	9/93-10/93	Robert Lodato	916-388-3574	SAAD-EMD
6	7/7/93	George Siller	916-557-7418	U.S. Army Corps of Engineers Sacramento District
7	8/30/93	Wandell Carlton	916-557-7424	U.S. Army Corps of Engineers Sacramento District
8	7/8/93 9/2/93	Jennifer Smith	916-255-2024	California EPA, DTSC
9	7/8/93 9/2/93	Deirdre Nurre	415-744-2366	U.S. EPA Region IX
10	9/2/93	Agnes Katanics	415-249-0831	Ebasco, Inc.
11	9/3/93	Gil Anthony	916-388-2962	Johnson Controls World Services, Inc.-SAAD
12	9/2-3/93	Pat McCoskey	916-388-4882	Johnson Controls World Services, Inc.-SAAD
13	9/1/93	Larry Sangrenetti	916-388-2962	Johnson Controls World Services, Inc.-SAAD
14	7/8/93	Ken Fox	916-557-6870	U.S. Army Corps of Engineers Real Estate Division, Sacramento District
15	9/29/93	Julie Bolin	916-557-6795	U.S. Army Corps of Engineers Real Estate Division, Sacramento District
16	9/1/93	Robert Reeves	916-255-3050	Sacramento Regional Water Quality Control Board

Table 2.5-1: SAAD Acquisition Tract Register

Tract No.	Former Land Owner	Acreage	Remarks
1	Robert Blake	17.93	Direct Purchase
2	Mario Bianchini and Dina Bianchini	79.80	Direct Purchase
3	Daniel Cecchetti	80.00	Direct Purchase
4	Nelson E. Dean Jr. and Helen J. Dean	80.00	Declaration of Taking
5	Don E. Gouldin and Margaret E. Gouldin	40.00	Direct Purchase
6	C. Christophel	80.00	Declaration of Taking
7	De Vere C. Swayze and Helen Swayze	51.72	Direct Purchase
8	William E. Booth and Vivien M. Booth	20.00	Direct Purchase
9	James Passalis	20.00	Direct Purchase
10	Central Pacific Railway Company	15.77	Declaration of Taking. Includes areas formerly shown in D/T as Tracts 10-A, 10-B and 10-C.
11-A	Central Pacific Railway Company and Southern Pacific Company	No Area	License dated 26th Jan. 1946 For Spur Track Right of Way.
11-B	Central Pacific Railway Company and Southern Pacific Company	No Area	License dated 26th Jan. 1946. For construction of Spur Tract, formerly included as portion of Tract 11-A.

* All SAAD parcels were acquired in the 1940s.

Source: U.S. Army Corps of Engineers
Real Estate Division,
Sacramento, CA

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3.1 General Description of Real Property and Operations

3.1.1 History and Mission

SAAD covers approximately 485 acres and is comprised of 133 buildings, 63 of which are classified as permanent buildings. The land use at SAAD is primarily industrial. Population and land use data for the surrounding areas were summarized in the SAAD Enhanced Preliminary Assessment (R-9). The land use for the area immediately adjacent to the site is industrial; the area beyond is low to medium density residential. Prior to construction of SAAD, the land use was primarily agricultural.

SAAD is principally an electronics supply depot responsible for the receipt, storage, issue, maintenance, and disposal of electrical equipment. Operations include shelter repair, electro-optic equipment repair, and metal plating and treatment. A variety of hazardous and flammable materials have been used at SAAD, including organic solvents, oil and grease, fuels, lubricants, caustic solutions, and metal plating baths. SAAD also supports the following tenant activities: Television-Audio Support Activity; Army Health Clinic; First Brigade (Basic Combat Training) 91st Division (Training), Army Reserve Center; Army Information Systems Command Detachment; Navy-Marine Corps Reserve Training Center; and Navy Broadcasting.

SAAD had its inception as the Sacramento Advanced Communications Zone Depot, which was activated on December 8, 1941, at the old California State Fairgrounds at Stockton Boulevard and Broadway. Its purpose was to relieve congestion at the San Francisco Port of Embarkation. The parent organization was a general depot under the Quartermaster Corps of the Western Defense Command, located in the Presidio of San Francisco. In June 1942, the Sacramento Facility was redesignated the California Quartermaster Sub-Depot.

On April 19, 1945, the War Department authorized construction of specific facilities for a new Signal Depot on Fruitridge Road including 1,000,000 square feet of warehousing; 1,000,000 square feet of open storage area; 250,000 feet of hard stand; 50,000 square feet for special shops; a railway classification yard capable of handling 150 rail cars; housing for 500 enlisted men and 500 prisoners of war; quarters for bachelor officers; and support facilities for administration, fire protection, security, garage and shops, utilities, roads, and other services. Plant operations began moving to the new site on October 9, 1945; the Chief Signal Officer formally dedicated the new site as the Sacramento Signal Depot on November 1, 1946. A consolidation of Signal Corps supply and maintenance activities on the West Coast, coupled with the outbreak of the Korean War in June 1950, resulted in the 1951 construction of a \$10 million shop facility, which is now the home of the Directorate for Maintenance.

The Sacramento Signal Depot was renamed the Sacramento Army Depot on August 21, 1962. From 1965 to 1974, SAAD was involved in various operations, including night vision device repair and automatic data processing. In 1970, SAAD was assigned the Laser and Infantry missions. The shelter repair facility and the

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electro-optics repair facility were completed in 1971. In January 1972, SAAD was assigned the automatic data processing mission, and in 1974 the Joint Security Intrusion Interdiction Detection System (JSIIDS) mission. The modern metal-plating facility was completed on March 25, 1977. On March 31, 1977, SAAD was assigned to the U.S. Army Depot Systems Command (DESCOM), retroactive to September 1, 1976.

3.1.2 Hazardous Materials/Waste Management

Hazardous materials, including CERCLA-defined hazardous substances or petroleum products or their derivatives, are stored at numerous pre-designated locations on the installation. These locations are generally associated with industrial operations requiring the use of the materials. In addition, several storage buildings have been specifically designated hazardous materials storage sheds, hazardous waste accumulation points, or hazardous waste handling facilities. The principal hazardous materials and hazardous waste areas are summarized below; further identification of all handling areas is provided in Table 5.1-1.

- **Plating Shop (Building 420).** Building 420 is the site of SAAD's plating shop. A wide variety of chemical solutions in various tanks is used in the building to conduct nickel, cadmium, tin, copper, silver, lead, and gold plating activities. The tanks include plating baths and rinse water tanks containing heavy metals, cyanide, oils, solvents, acid, and caustics. Waste rinse water from the plating shop is treated on site at the Industrial Wastewater Treatment Plant (IWTP).
- **Industrial Graphic Arts Facility (Building 320).** The Industrial Graphic Arts Facility is located in Building 320. Graphic arts processes performed in this facility include silk-screening, decal-making, etching, and pan spraying. Inside this facility are plating baths and rinse water tanks containing heavy metals, acid, caustics, and solvents. Waste rinse water is discharged for treatment to the IWTP. Cyanide wastes were disposed outside of Building 320 in the cyanide leaching field for a short time and cyanide and acid wastes were held in sumps behind Building 320. The leaching field and sumps are no longer active.
- **Industrial Waste Water Treatment Plant.** Building 416 is the site of the IWTP. The treatment plant has been in operation since 1978, and is used to pre-treat waste water from Buildings 320 and 420. The IWTP discharges pretreated plating shop rinse waters to SAAD's clarifier tanks (Structures 303 and 308) where water quality is checked to ensure compliance with county standards prior to being released to the county waste water treatment plant. The IWTP has a sewer use permit from the Sacramento County Regional Sanitation District. A Notice of Intent to apply for a permit by rule (PBR) has been filed with the California EPA (Cal-EPA) Department of Toxic Substance Control (DTSC).

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- **Painting Areas.** Buildings 246, 248, 251, 257, 320, 348, 361, 420, 555, and the chemical agent resisting coating (CARC) facility (Building 257 - Bay 6) house the principal painting activities at SAAD. Hazardous materials/wastes used or produced in these areas include paints, solvents and thinners, and paint filters. Hazardous wastes are placed in drums, and stored at the Hazardous Waste Container Storage Area (HWCSA) prior to off-site disposal. Paint booths are permitted as required with the Sacramento Metropolitan Air Quality Management District (SMAQMD).
- **Hazardous Waste Container Storage Area (HWCSA) (Building 412).** This RCRA-permitted hazardous waste container storage area has been in operation at SAAD since 1981. Prior to 1981, drums were stored in this area.
- **Hazardous Materials Handling Facility.** Building 426, with a perimeter chain-link fence and metal roof, is the location of the hazardous waste consolidation area and two solvent distillation units. Paint cans; aerosol cans; solvent and thinner cans; and petroleum, oil, and lubricant (POL) cans have been consolidated in this area and packed in 55-gallon drums prior to transfer to the HWCSA and/or off-site TSD facilities. Used solvents are distilled and recovered using the solvent distillation units inside this area. The area of the facility is approximately 2,000 square feet.
- **Other Maintenance Areas.** Maintenance activities occur in various buildings where activities such as vehicle, optical, electrical, machine, and avionic maintenance are conducted; these areas include Buildings 348, 320, 555, 180, 242-2, 248-5, 355, 601, 382, 423, 244, 246, and 257-3. Hazardous materials used or generated in these areas include petroleum products, solvents, antifreeze, corrosives, heavy metals, caustics, and acids.
- **Accumulation/Storage Areas.** Non-RCRA permitted accumulation areas at SAAD are located at Buildings 241, 242-2, 415, 360, 308, 384, 424, and 699. Hazardous materials and wastes currently used, accumulated, or stored in these areas for less than 90 days include pesticides, plating chemicals, acids, caustics, metal plating sludges, solvents, paints and paint sludges, oils, grease, fuel, antifreeze, asbestos, and PCBs. The length of time that hazardous materials may have been stored at these locations in the past is unknown.
- **Battery Acid Handling Area.** The battery acid handling area was located in Building 411 until battery processing at SAAD was prohibited by regulatory agencies. The waste handled in this area was sulfuric acid with dissolved heavy metals. The sulfuric acid pH was less than 2.
- **Storage Areas for Radiological Sources.** Radiological sources are stored in Buildings 242, 244-4, 244-5, 255, 257, 300, and 320. These sources include night vision lenses and image tubes.

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- **Underground Storage Tanks.** Numerous USTs have been used at SAAD; all but four have been removed and (if necessary) remediated. These remaining tanks, 250-1, 600-4, 600-5, and 600-6, are currently in use and are subject to daily inventory reconciliation, annual precision tank testing, and continuous pipeline release detection, in accordance with applicable regulations.

Any USTs that do not meet the standards for new tanks must be upgraded by December 1998. The upgrades include: double containment; cathodic protection from metal systems; spill and overfill protection; and continuous release detection. If the USTs come under new ownership, and are in service after December 1998, these upgrades should be implemented by the new owner.

3.2 Changes to Real Property Environmental Conditions Since Enhanced PA Investigation (1990)

There has been no expansion or redirection of the SAAD mission since its identification for closure under BRAC 91. The installation has been preparing for site closure by removing hazardous substances or petroleum products or their derivatives that are no longer needed for ongoing SAAD operations and properly disposing of flammable and hazardous wastes stored on site. The installation has also moved rapidly to identify and remediate sites of residual environmental contamination.

Since the 1990 Enhanced Preliminary Assessment (R-9), there have been no significant incidents (fires, spills, or explosions) at SAAD. The following changes in environmental conditions or progress in remediation programs have occurred:

- All PCB-containing transformers have been removed and PCB fluids have been disposed as hazardous waste (I-2).
- All friable asbestos identified in the asbestos survey has been removed from buildings and disposed (I-4). A comprehensive follow-up survey of asbestos and lead-based paint has been initiated and is expected to be completed by April 1994 (R-27).
- A program to locate all USTs and remove all inactive tanks was completed; there are currently four USTs (one 4,000-gallon diesel tank designated as Building 250 and three 8,000-gallon unleaded gasoline tanks at the AAFES station) still in use at SAAD (R-1).
- Records of decisions (RODs) for the following operable units were signed and remediation activities were begun: Oxidation Lagoons in 1991 (R-21), and South Post Burn Pits in 1993 (R-20). Pilot scale soil washing has been conducted for the Oxidation Lagoons; full scale remediation will be completed in 1994 (R-27).

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For the South Post Burn Pits, remediation of volatiles by soil venting is in progress; stabilization of metals is expected to follow in 1994 (R-27).

- Remediation activities for the South Post ground water contamination (extraction and treatment) have been continuing under the 1989 ROD (R-18); activities have expanded to address additional off-site contamination that will be included in the basewide ROD (R-27).
- The ROD for the Tank No. 2 contamination (R-22) was signed in 1991; the site has been remediated using soil vapor extraction and capped with concrete (R-27).
- Remediation has been undertaken to address two new areas of ground water contamination: TCE contamination in the area of Parking Lot 3 (R-7) and Freon 113 contamination in the area of Building 320 and Tank No. 2 (R-6). Air sparging is being pilot tested for remediation of the Parking Lot 3 soil and ground water contamination (R-27). The site investigation of the Freon 113 contamination has been completed; suspected sources are Building 320 drains, sewer lines, and cleaning operations in Buildings 420 and 423 (R-27).
- Cleanup actions have been planned for the Locomotive Repair Shop and the Building 300 Old Burn Pits (R-12). These sites will be included in the basewide ROD. The preferred alternative for the Building 300 Old Burn Pits is to excavate the soil and combine it with soil at the South Post Burn Pits for stabilization. The Locomotive Repair Facility will be cleaned up by in situ bioremediation prior to BRAC closure (R-27).
- Cleanup activities at the Pesticide Mix Area have been completed; the drain well was removed in April 1993 and investigation-derived wastes have been removed. No further action will be proposed at the site (R-27).
- Remediation activities at the Battery Disposal Well have been completed. Debris and contaminated soil were excavated in April 1993; excavated soil will be stabilized with soil at the South Post Burn Pits (R-27).
- Battery acid disposal activities at Building 411 have been discontinued (I-2).
- The investigation at the Contractor's Spoils Area has been completed. Site debris will be cleaned up prior to BRAC closure (R-27).
- The Areas Requiring Environmental Evaluation (AREEs) in the following list will be proposed as No Further Investigation (NFI) sites based on additional information or field investigations conducted since the Enhanced PA. These are addressed in Table 4.1-1.

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- Building 320 Cyanide Leach Field
- 1960s Disposal Trenches
- 1950s Disposal Trenches
- Building 315 Cyanide Sump
- Building 382 Gasoline Spills Area
- Outdoor Storage of Drummed Waste Building 412
- Building 348 North Contractor Storage Area
- 5,000 gallon hazardous waste Tank No. 1
- Firefighter Training Area
- Old Morrison Creek Bed
- Building 316 Acid Sump B
- Paint Residue and Waste Oil Dump
- Old SW Fill Area With Numerous Vehicles (paper review)
- Buildings 651/653 Area (paper review)
- Area South of Kwajalein (paper review)
- 1950s Shallow Lagoon (paper review)

4.0 Investigation Results

4.1 Previously Identified Areas Requiring Environmental Evaluation

There have been numerous programs at SAAD directed at the identification of potential sources or releases to the environment of hazardous substances or petroleum products or their derivatives.

- The 1987 Federal Facility Agreement (FFA) identified seven sites for remedial investigation (R-25). Operable unit feasibility studies were recommended for: the Area of Tank No. 2, South Post Burn Pits, and the Oxidation Lagoons and drainage (including Old Morrison Creek). Remediation at the Tank No. 2 site has been completed, and the other two sites are currently being remediated for contaminated soils; ground water contamination from the Burn Pits is also currently being remediated under a separate ROD (R-18). Additional sites recommended for evaluation under the comprehensive remedial investigation/feasibility study (RI/FS) included: the Building 320 Cyanide Leaching Field, the Pesticide Mix Area, the Firefighter Training Area, and the Battery Disposal Well. These areas were investigated (R-12) and cleanup activities have been completed at the Pesticide Mix Area and the Battery Disposal Well; no remediation was required at the Firefighting Training Area and the Building 320 Cyanide Leaching Field.
- The three-phase RCRA Facility Assessment (RFA) begun in 1988 identified and evaluated potential Solid Waste Management Units (SWMUs) at SAAD. The preliminary review and visual site inspection phases of the assessment were documented in the U.S. Army Environmental Hygiene Agency report (R-11). The objective of the first two phases was to determine which SWMU sites required environmental investigation and potential remediation. Sampling activities were conducted at those sites as part of the third phase of the RFA (R-5).
- The 1990 Enhanced Preliminary Assessment (R-9) identified and discussed AREEs. The AREEs include some of the RFA sites, as well as industrial operations, USTs, PCB transformers and asbestos-containing building materials (ACBMs).
- An extensive investigation of sites of potential environmental impact has continued under the ongoing basewide RI/FS program.

There are eleven remediation projects at SAAD. Each of these sites has been extensively investigated; the areas of contamination are well defined, remedial planning and remedial action processes are under way, and for several areas RI/FSs have been completed and RODs signed. The eleven remediation projects are discussed in greater detail in Section 4.5. Reported areas of potential release or storage of hazardous material and potential areas of concern at SAAD that were identified in either the FFA, RFA, or the Enhanced Preliminary Assessment are listed in Table 4.1-1.

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Each of these areas was evaluated with respect to the CERFA assessment criteria; if storage, release, or disposal of hazardous substances or petroleum products or their derivatives had occurred, the area was located on Figure 5-1 and the parcel location from the CERFA parcel map was also noted in the table. Active operations at SAAD where hazardous substances or petroleum products or their derivatives have been handled, generated, stored, or disposed of in the past are also noted in Table 4.1-1 and discussed in Section 3.1.2.

A number of sites identified as potential FFA or RFA sites or AREEs were investigated and will be proposed as No Further Action (NFA) sites; regulatory agencies will provide concurrence with proposed NFA sites during finalization of the Final Feasibility Study. These sites were evaluated in separate investigations to determine the need for remediation under either the basewide RI/FS program or the 1990 RCRA Facility Assessment. SWMUs or AREEs meeting either of the following criteria were proposed as NFA sites: (1) no evidence of the reported activity; or (2) the reported activity was confirmed but the site was determined to require no further cleanup or remediation, i.e., a real or potential environmental release may have been identified but no residual contamination was observed. For the CERFA assessment, all sites with confirmed release of hazardous substances or petroleum products or their derivatives, including both active remediation sites and the proposed NFA sites with confirmed releases but with no residual contamination warranting remediation, were identified on the parcel Designation map, Figure 5-1.

Unconfirmed sites were not noted on the CERFA map since there was no evidence of release of hazardous substances or petroleum products or their derivatives. For example, several potential disposal areas, indicated by the presence of trenches in historical aerial photographs of the installation, were identified during the RFA as potential areas of hazardous substance disposal. On the basis of reports suggesting that shallow trenches and lagoons had historically been used at SAAD for disposal, burial, or burning of wastes, including hazardous substances or petroleum products or their derivatives, these areas were included as potential SWMUs or AREEs. Efforts to locate the reported disposal areas were undertaken and field sampling activities were conducted at selected sites to determine the presence of contamination. Sites shown to be uncontaminated, based on field investigation data, were not noted on the CERFA maps. However, sites for which there is evidence of general disposal activity but for which there are no final field investigation data were noted as locations of "potential" hazardous substance release/disposal.

4.2 New Areas Requiring Environmental Evaluation - Identified During CERFA Assessment

The CERFA assessment did not reveal any new AREEs. Ongoing investigations have addressed all known areas of suspected contamination. The CERFA assessment did identify areas other than remediation areas since the CERFA criteria for

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disqualification include storage, release, or disposal of hazardous substances or petroleum products or their derivatives, even though there may be no residual contamination. Refer to Table 5.1-1 for details on these areas within each parcel.

4.3 Adjacent or Surrounding Properties

The search of federal and state of California computerized databases revealed the following:

- The area surrounding SAAD is heavily industrial. Outside of SAAD, 32 RCRA generators and 44 registered USTs were identified within a 1-mile radius.
- SAAD is the only NPL site in the immediate vicinity; two additional California hazardous waste sites were identified within a 1-mile radius of SAAD but no remediation is planned for these sites.
- Twenty-one leaking STs and 17 hazardous substance spills were reported at neighboring facilities within the 1-mile radius of SAAD.

None of the off-site activities is expected to impact the SAAD property. Most of the reported off-site spills/leaks were confined to the soil and the resultant contamination is unlikely to migrate onto the installation. An unknown potential for ground water contamination at the L&D Landfill, located to the northeast of SAAD, does exist but there is no evidence at this time to suggest that the landfill represents an off-site source of contamination. Any ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

Properties that are adjacent to or surrounding CERFA parcels or CERFA parcels with qualifiers, whether those properties are within SAAD or off site, were identified and specifically evaluated to determine whether releases have occurred on the properties and to provide assurance that any contaminants do not impact the uncontaminated areas designated as CERFA parcels. The evaluation of each parcel is discussed within the description of the CERFA parcel or CERFA parcel with qualifier in Section 5.0. If a potential impact from adjacent or surrounding properties was identified, the parcel was recategorized as CERFA disqualified.

4.4 Related Environmental, Hazard, and Safety Issues

Military installations frequently contain issues that the USAEC believes fall outside of the provisions of CERFA. For example, while a release of lead-based paint onto the ground may be a CERCLA concern, the application of lead-based paint to a building surface is generally not. However, lead-based paint applied to building may

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represent a safety hazard to young children. Similarly, other substances or materials commonly applied to or found in buildings (for example, radon, and asbestos) may not be explicitly regulated under CERCLA, but may require a notice to potential transferees and lessees that they exist.

USAEC has sought to balance the statutory requirements of CERFA with the law's intent to identify uncontaminated property to the public that can be expeditiously reused. Notice has been provided for those parcels that appear to be uncontaminated under the definition provided in CERFA, but which may contain environmental, hazard, or safety issues. Buildings that contain ACBM, lead-based paint, or naturally occurring radon fall into this category and are identified as "CERFA parcels with qualifiers" in this CERFA report. Parcels that contain stored (not in use) equipment that contain some level of PCB oil, stored low level radionuclide-containing equipment such as dials and weapon site posts, and UXO are also designated "CERFA parcels with qualifiers."

However, for cases where asbestos or PCBs have been disposed in the environment, the parcel has been identified as "CERFA disqualified." In this example, the designation indicates that a CERCLA hazard may exist at this location.

4.4.1 Asbestos-Containing Building Materials

An initial asbestos survey identifying ACBM, was performed at SAAD (R-15); the survey identified both friable and non-friable asbestos in 151 buildings. All friable asbestos that was identified in that survey has been removed (I-4, R-27). The ACBM data are summarized in Table 5.1-1 for all surveyed buildings. A follow up survey of the entire installation, including all buildings that had not been evaluated in the initial survey, was initiated in November 1993 and is scheduled to be completed by April 1994. Any newly-discovered friable asbestos identified in that survey will be removed (R-27). This CERFA report includes all data available through February 15, 1994; the follow up survey had not been completed by that date.

4.4.2 Lead-Based Paint

Lead-based paint is likely to have been used in buildings that were constructed prior to 1978. At the time of the CERFA assessment, no lead-based paint survey had been conducted on the buildings at SAAD; the dates of construction reported in the initial asbestos survey (R-15) were used to identify buildings likely to contain lead-based paint. These buildings are listed in Table 5.1-1. A lead-based paint survey was initiated along with the follow up asbestos survey and is scheduled to be completed by April 1994. This CERFA report includes all data available through February 15, 1994; the lead-based paint survey had not been completed by that date.

4.4.3 PCB-Containing Transformers

According to USAEC guidance for the CERFA assessment, locations of leaking PCB-containing transformers or areas used for general storage/handling of PCB-containing transformers that have been removed from service should be noted

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on the parcel Designation map (Figure 5-1). Parcels including locations of any leaking PCB-containing transformers would be categorized as CERFA disqualified because that release would prevent the parcel from being considered uncontaminated. Normal use of PCBs in transformers that exhibited no evidence of leaking would not be sufficient to categorize a parcel as either a CERFA disqualified parcel or a CERFA parcel with qualifier because no release or disposal of hazardous substances has occurred; storage areas for out-of-service PCB-containing equipment would be categorized as a CERFA parcel with qualifier.

The locations of transformers at SAAD that formerly contained PCBs, as identified in the PCB Transformer Compliance Study (R-8), are listed in Table 4.4-1. All PCB-containing transformers have been removed and there is no evidence to indicate that any of the PCB-containing transformers were leaking (I-2). Therefore, no SAAD parcels have been CERFA disqualified or labeled as a CERFA parcel with qualifier due to the former presence of PCB-containing transformers. The information contained in Table 4.4-1 has been provided to document historical locations of PCB-containing transformers.

4.4.4 Naturally Occurring Radon

A radon monitoring program was undertaken at SAAD. All of the 106 samples processed exhibited radon concentrations below 4 pCi/L. These radon levels do not represent an environmental concern and no further action at SAAD is required (R-24).

4.4.5 UXO

The current and past activities at SAAD do not suggest the presence of UXO.

4.4.6 Radiological Sources

Operations at SAAD utilized equipment containing radiological sources under Army Commodity Command Licenses (CCL) in night vision equipment and image tubes. Areas at SAAD that were used for packing and storage of this equipment, as well as for storage of the high energy radiological sources include: Building 242 (equipment packing); Building 244, Bay 4 (equipment storage); Building 244, Bay 5 (equipment packing); Building 251 (equipment storage and radiological waste storage); Building 255 (equipment storage); Building 257 (equipment packing); Building 300 (high energy sources storage); Building 320 (equipment storage); and Building 555 (equipment storage) (R-29). Parcels including these areas have been categorized as CERFA parcels with qualifier.

4.4.7 Pesticide/Herbicide/Fungicide Usage

The application of pesticides, herbicides, and fungicides was reviewed in previous installation assessments and has been monitored by the U.S. Army Environmental Hygiene Agency. According to guidance provided by USAEC, the legal application of pesticides, herbicides, or fungicides is not considered a release of hazardous substances and was not sufficient to disqualify SAAD areas under the CERFA

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assessment. Specific areas in which storage, release, or disposal of these materials was identified (e.g., Pesticide Mix Area, hazardous substance accumulation/storage areas) were disqualified.

4.5 Sites With Historical or Ongoing Remediation Efforts

At present there are 11 areas/projects that are known to contain residual hazardous substances and for which there is a well-defined area of contamination. These areas/projects and the status of the remediation as of February 1994 are listed in Table 4.5-1; the areas are also indicated on the map provided as Figure 5-1. Each of these is discussed briefly in this section.

Volatile organic ground water contamination has been documented in the southwest portion of the installation, both on site and off site. The major source of this ground water contamination is the South Post Burn Pits. The off-site Ground Water Treatment project is discussed below with the South Post Ground Water Treatment Plant project, which originally addressed only on-site contamination. Ground water contamination has also been observed in other areas of the installation; trichloroethylene (TCE) contamination has been associated with the Parking Lot 3 source area and Freon 113 contamination has been associated with several industrial sources in the west central portion of the installation.

- **South Post Ground Water Treatment (On Site and Off Site)**

Field investigations confirmed the presence of volatile organic compounds (VOCs) in the ground water beneath the southwest corner of SAAD and beyond SAAD's property line. Quarterly ground water sampling between 1985 and 1989 showed TCE, tetrachloroethene (PCE), trans-1,2-dichloroethene (t-1,2-TCE), 1,2-dichloroethane, and chloroform to be present at or above reporting limits. The limits of the contaminated ground water (5 ppb, TCE) are shown on Figure 5-1. The source of ground water contamination is the South Post Burn Pits.

In accordance with the ROD (R-18) signed in September 1989, on-site ground water is currently being extracted and treated at the rate of 500,000 gallons per day. The treatment system consists of seven extraction wells and an ultraviolet/oxidation process. To date, the treatment system has been effective in destroying VOCs in the ground water, and assisting in restoring the ground water to drinking water standards without residual air emissions or hazardous waste byproducts. The system is expected to be in operation until 2001. Because the contaminated ground water plume extends beyond SAAD's property line, additional off-site extraction wells may be required. This change will be addressed in the Basewide ROD.

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- **Oxidation Lagoons and Drainage Ditches**

Four former oxidation lagoons are located east of Caroline Drive. Each lagoon is approximately 0.5 to 0.75 acre in area. These lagoons were used from 1950 to 1972 as a place for industrial and domestic liquid waste disposal. Concentrated untreated rinse waters generated from metal plating operations were diluted with large volumes of water and then drained into the lagoons. Currently, the lagoons are dry. All vegetation has been removed from the lagoons as part of the remediation effort. Directly north of the lagoons are drainage ditches and Old Morrison Creek. After the establishment of SAAD, Morrison Creek was channelized and diverted to follow SAAD's southern perimeter to its original discharge point at the western boundary of the installation. Presently, Old Morrison Creek is a dry bed that bisects SAAD from east to west. For many years, the western portion of Old Morrison Creek served as an outlet for effluent drained from the oxidation lagoons by the drainage ditches. The feasibility study indicated the presence of metals in the soils at the Oxidation Lagoons, Drainage Ditches, and Old Morrison Creek. The primary contaminants of concern include cadmium, lead, and arsenic. Other contaminants of concern are zinc, aluminum, chromium, and nickel. The area of contamination associated with this site is shown in Figure 5-1.

The ROD (R-21) for this site was signed in September 1992 and a remediation pilot test began in October 1992. Approximately 10,000 to 12,000 cubic yards of soil were impacted and are subject to treatment. The contaminated soil is presently being excavated and washed. Remediation is expected to be completed in 1994.

- **South Post Burn Pits**

Two burn pits were used for waste disposal activities during the late 1950s and 1960s. These burn pits are south of Santa Cruz Avenue and east of Caroline Drive, a relatively short distance from the oxidation lagoons. The size of each burn pit is approximately 30 feet wide by 360 feet long by 30 feet deep. Waste materials incinerated at the burn pits were primarily plating shop and paint sludges, oil and grease, mercury batteries, and debris.

The feasibility study indicated the presence of VOCs, semivolatile organic compounds (SVOCs), metals (lead, cadmium, antimony, arsenic, manganese, zinc, total chromium, and hexavalent chromium), PCBs, and dioxins and furans in the soils at the burn pits. Approximately 247,900 cubic yards of soil may have been impacted and are potentially subject to treatment. Of this total, approximately 16,900 cubic yards are located within the two original burn pits and are contaminated with metals, PCBs, dioxins and furans, VOCs, and SVOCs. The remaining 231,000 cubic yards are made up of soil around and under the burn pits. The area of contamination associated with this site is shown in Figure 5-1.

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Treatability studies were conducted for soil ventilation, soil washing, and soil stabilization to gather more site specific information on these processes. The selected remediation of soil ventilation followed by stabilization of contaminants (solidification) will require deed restrictions for future use. The ROD (R-20) was signed in March 1993, and remediation is expected to be completed by FY95. The Burn Pits have been determined to be the source of ground water contamination at SAAD.

- **Area of Tank No. 2**

The area of Tank No. 2, located in the northwestern quadrant between Building 320 and Attu Street, is the area of a 1,000-gallon underground solvent storage tank that was removed in 1986. The tank showed signs of significant deterioration during removal. The former tank site was backfilled and is currently under a concrete slab.

The feasibility study indicated the presence of ethylbenzene, total xylenes, 2-butanone, isophorone, phthalates, pyrene, toluene, fluoranthene, phenanthrene, naphthalene, and PCBs 25 to 30 feet below ground surface. Approximately 1,000 cubic yards of soil have been impacted and are subject to treatment. The area of contamination associated with this site is shown in Figure 5-1.

In accordance with the ROD (R-22) signed in December 1991, soil ventilation with air emissions control and ultraviolet/peroxidation treatment of the soil moisture was used. Remediation was completed in 1993.

- **Building 300 Old Burn Pits**

Building 300 was the site of two old burn pits (similar to the South Post Burn Pits) that were used from 1945 to the mid-1950s for burning hazardous wastes and debris. One burn pit area is approximately 40 feet by 170 feet (portions of this burn pit were removed prior to construction of Building 300), and the other is approximately 40 feet by 230 feet. Plating shop wastes containing primarily acids, alkali, and cyanides were reportedly disposed of in the pits. Other wastes reportedly included heavy metals (chromium, cadmium, copper, silver, gold), paint sludges, radium dial paint, mercury batteries, oil, grease, and sanitary refuse. The area of contamination associated with this site is shown in Figure 5-1.

It has been recommended that contaminated soil from this area be excavated and stabilized at the South Post Burn Pits. This action will be included in the Basewide ROD expected to be signed in September 1994 (R-4).

- **Pesticide Mix Area**

A former pesticide mixing area adjacent to Building 362 in the eastern portion of SAAD south of Mindanao Street consisted of an abandoned outdoor utility sink on the side of the metal shed. Today the site appears to be a low area, with an

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access hold cover at the site of the purported drain well. Until 1982, pesticides were mixed in the area and containers were rinsed in the utility sink in Building 362. The sink drained directly to an open drain well approximately 30 feet to the east. The pesticide solutions were allowed to percolate into the soils. Pesticides mixed and rinsed at this location included malathion and DDT (dichlorodiphenyl-trichloroethane). A soils investigation in the summer of 1986 indicated the presence of diazinon (R-9). The general area of soil contamination associated with this site is shown in Figure 5-1.

The drain well was removed from the site in April 1993 and contaminated soil was removed during the remedial investigation. No further investigation is planned for this site (R-27).

- **Battery Disposal Well**

A hand-dug well, approximately 8 feet by 10 feet at the surface and located west of Building 555, was used as an old battery disposal well in 1946 and 1947. Depleted dry cell batteries, consisting of a zinc anode, a carbon cathode packed in manganese dioxide, and an aluminum chloride electrolyte solution, were disposed of in this well. Currently, the well surface is approximately 2 feet below grade with some concrete pillows on one side. In 1990, soil samples were analyzed for VOCs, SVOCs, metals, moisture content, and pH. Magnetic anomalies were also detected in the proximity of the well. The location of this site is shown in Figure 5-1.

Debris and metals-contaminated soil were removed during the site investigation in April 1993. Excavated soil will be stabilized with soil at the South Post Burn Pits. No further investigation is planned for this site (R-27).

- **Locomotive Repair Area (Building 205)**

An area south of the Rail Yard Engine Shed was the site of a locomotive diesel fuel spill. This area is still in operation. Bioremediation of the contaminated soil will be conducted as part of the BRAC Cleanup prior to closure (R-27). The location of this site is shown in Figure 5-1.

- **Building 555 Contractor Spills Area.**

The area east of Building 555 was formerly used to store dirt, asphalt, and debris from construction sites. Analytical results indicate presence of Freon 113, lead, zinc, polynuclear aromatic hydrocarbons (PAHs), and phthalates typical of the construction materials found. Site debris will be cleaned as part of the BRAC Cleanup prior to closure (I-2, R-4, S-2, R-27). The location of this site investigation is shown in Figure 5-1.

- **Parking Lot 3**

The contamination at Parking Lot 3 was discovered when monitoring wells installed for the basewide ground water investigation demonstrated VOC

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contamination in this area. It is suspected that in the early 1950s there had been an aboveground storage tank, containing cleaning solvents, at this location. The contamination is limited to the area around and under the parking lot; migration was restricted since the pavement acted as a cap. The area of ground water contamination associated with this site is shown in Figure 5-1.

An innovative air sparging technology is being pilot tested as a soil and ground water cleanup procedure for this site. Air is pumped into the ground below the ground water table; extraction wells installed above the ground water extract the VOC contamination from both soil and ground water and recover free product. Once the pilot test is completed, this site will be addressed in the basewide ROD (I-3, I-5, R-27).

- **Freon 113 Contamination**

During the remediation at the Tank No. 2 site, Freon-113 was unexpectedly detected, suggesting an additional source of soil and ground water contamination in the area; Freon-113 had not been detected in the soil borings for the Tank No. 2 investigation. It was determined that Freon-113 was formerly used in Building 320 and in the Building 420 area for engine washing and vehicle washing. Excess washing materials were washed into the floor drain or onto the concrete; Freon-113 may have leaked through the drain or may have been released directly into the soils under the building. The area of ground water contamination associated with this site is shown in Figure 5-1.

Site investigation has been completed and wells have been installed to define the extent and levels of ground water contamination and to determine the approach to remediation. A pilot test of the same treatment technology (sparging) used for the Parking Lot 3 contamination will be used for cleanup; this site will be addressed under the basewide ROD (I-3, I-5, R-27).

4.6 CERFA Excluded Parcels

Three study areas in the southern portion of the installation have been excluded from the CERFA investigation. These CERFA Excluded parcels will not be excised; they will be retained for use by Army and Naval reserve units or transferred to the California Army National Guard. These parcels are listed below but are not discussed in Section 5.0. Assessment of these parcels is limited to evaluating, to the extent possible, the potential for any releases or contamination in these areas to impact adjacent CERFA parcels or CERFA parcels with qualifiers.

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- **PARCEL 91E**

Parcel 91E is located in the southwest corner of the installation. This area is to be transferred to the U.S. Naval and Marine Corps Reserves. The South Post contaminated ground water plume extends under this entire parcel. No further assessment of this parcel was conducted under the CERFA investigation.

- **PARCEL 99E**

Parcel 99E is located in the southeast corner of the installation. This area is to be transferred to the California Army National Guard. No further assessment of this parcel was conducted under the CERFA investigation.

- **PARCEL 100E**

Parcel 100E is located in the southern portion of the installation, between Parcels 91E and 99E, extending from Elder Creek Road to Kwajalein Street (see Figure 5-1). This area is to be transferred to the U.S. Army Reserves. The South Post contaminated ground water plume extends into the western portion of this parcel; USTs were also formerly located near Buildings 650 and 680. No further assessment of this parcel was conducted under the CERFA assessment.

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDATION ACTIVITY	REF.
001	1	Oxidation Lagoons and surface runoff	80	Yes (HR)	Current remediation area	R-21
002	2	Burn Pits	88	Yes (HR)	Current remediation area	R-20
003	-	Small, shallow lagoons (mid 1960s - early 1970s)	80	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-10, R-14
004	11	Sludge piles, south of Oxidation Lagoons	80, 88	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
005	36	1,000-gallon waste solvent tank No. 2	32, 68	Yes (HS/HR)	Soil remediation complete	R-22, R-27
006	3	Abandoned Firefighter Training areas	81 75	Yes (HR) Yes (HR-P)	No remediation recommended No (location not confirmed)	R-12 R-11
007	4	Building 300, old Burn Pits	28	Yes (HR)	Current remediation area	R-12
008	12	Building 356, pesticide mixing area	48, 49, 51	Yes (HR)	Cleanup complete	R-12, R-27
009	5	Battery disposal well	82	Yes (HR)	Cleanup complete	R-12, R-27
010	6	Possible trenches (late 1950s)	81	Yes (HR)	Trace levels of phthalates; no remediation recommended	R-5
011	7	Two trenches (mid-late 1960s)	87	Yes (HR)	Trace levels of VOCs; no remediation recommended	R-5, S-1
012	14	Building 315 (cyanide sump)	32	Yes (HS)	No residual contamination measured	R-5
013	15	Building 316 (acid sump)	32	Yes (HS)	Limited contamination (Zn, Cd), no current remediation	R-5

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDATION ACTIVITY	REF.
014	-	Possible shallow lagoon (early 1950s)	80	Yes (HR)	Soil gas survey indicated low levels of VOCs; no remediation recommended	R-11
015	13	Building 382, spills	55	Yes (HR/PR)	No residual contamination	R-5
016	8	Paint residue, waste oil dump	80	Yes (HR)	Soil gas survey indicated low levels of VOCs; no remediation recommended	R-11
017	37	Outdoor storage of drummed, nonreclaimable waste	59	Yes (HS)	No current remediation; outdoor storage site appears to be within current hazardous waste area	R-5
018	44	Old Morrison Creek	80, 81, 87	No	No observed contamination	R-5
019	9	Fill area with numerous vehicles	52	Yes (HR-P/HR-P)	Limited contamination observed; no remediation recommended	R-5
020	-	Trash disposal areas	88, 89	No	No confirmation of site or evidence of hazardous substances	R-11, R-14
021	10	Cyanide leaching field	32	Yes (HR)	Limited cyanide contamination; no remediation recommended	R-5
022	-	Radioactive waste disposal area	91-E	No	Existence of site not confirmed; excluded parcel	R-11, R-10, R-14
023	-	Dispensary waste area	91-E	No	Existence of site not confirmed; excluded parcel	R-11, R-10, R-14
024	-	Petroleum sludge disposal area	91-E	No	Existence of site not confirmed; excluded parcel	R-11, R-10, R-14

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDIATION ACTIVITY	REF.
025	-	Previous oil dump area	99-E	No	No residual contamination; excluded parcel	R-11, R-10, R-14
026	-	Former secondary treatment plant	29	Yes (HS)	No remediation recommended	
027	-	AAFES drain well	98	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
028	-	Locomotive repair facility	12	Yes (HR)	Current remediation site	R-11
029	-	Building 420, chromic acid spill	63	Yes (HR)	No residual contamination	R-11
030	-	1,000-gallon waste solvent tank No. 3	37	No	Location not confirmed; may be near building 348	R-11
031	35	5,000-gallon waste solvent tank No. 1	20	Yes (HS)	No residual contamination	R-11, R-1
032	41	Battery acid handling area (Bldg. 411, 400-gallon tank No.4)	62	Yes (HS)	Inactive; BRAC Cleanup Action prior to closure	R-11
033	-	Sewage outfall area	78	Yes (HR)	No residual contamination	R-11
034	-	Building 320, plating spills	32, 63, 68	Yes (HR)	No residual contamination	R-5, R-9, R-11
035	-	Same as site 023				R-11
036	-	Same as site 022A				R-11
037	-	Same as site 022B				R-11
038	-	Same as site 024				R-11
039	-	Morrison Creek	78,79,80,81,87	No	No evidence of residual contamination	R-11, R-14
040	-	Possible open storage area (1947- 1950)	3	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14

Table 4.1-1 Previously Identified Areas Requiring Environmental Evaluation (AREE) at SAAD Page 4 of 6

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDIATION ACTIVITY	REF.
041	-	Possible open storage area (1947-1950)	22	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
042	-	Possible drum storage area	81	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
043	-	Possible open storage site (1947-1960s)	87	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
044	-	Depressed, disturbed area, possible dump site (1948-1950)	100-E	No	No evidence of hazardous substances or petroleum products or their derivatives; excluded parcel	R-11, R-14
045	-	Large disturbed area (1947-1950)	100-E	No	No evidence of hazardous substances or petroleum products or their derivatives; excluded parcel	R-11, R-14
046	-	Possible trench (early 1950s)	76	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
047	-	Large scarred area with possible fill activity (1950s)	81	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
048	-	Possible fill dump site (early 1950s)	81	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
049	-	Possible fill material (late 1950s - early 1970s)	80	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14

Table 4.1-1 Previously Identified Areas Requiring Environmental Evaluation (AREE) at SAAD Page 5 of 6

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDATION ACTIVITY	REF.
050	-	Excavation activity with piles of removed soil (1960s)	87	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
051	-	Standing liquid (1960s)	87	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
052	-	Scarred/stressed area (mid 1960s)	81	No	No evidence of hazardous substances or petroleum products or their derivatives	R-11, R-14
054	38	Contractor storage area	38	No	No observed contamination	R-5
055	39	Hazardous waste storage facility (Bldg. 412)	59	Yes (HS)	Active permitted facility; no current remediation	R-11
056	40	Can crushing area (Bldg. 426)	66	Yes (HS)	Active permitted facility; no remediation	R-11
	16	Plating shops, bldg. 420	63	Yes (HS)	-	R-9, S-1, S-2, S-3,
	17	Industrial graphic arts, bldg. 320	32	Yes (HS)	-	R-9, S-1, S-2, S-3
	18	Painting and printing areas	Numerous Parcels	Yes (HS)	-	R-9, S-1, S-2, S-3
	19	Maintenance areas	Numerous Parcels	Yes (HS/HR-P)	-	R-9, S-1, S-2, S-3
	20	Accumulation areas	Numerous Parcels	Yes (HS)	-	R-9, S-1, S-2, S-3
	21 to 34	UST's	Numerous Parcels	Yes (PS/HS)	Remediation of tank 2 only	R-1, R-17
	42	Radiological source storage areas	Numerous Parcels	Yes (HS)	-	R-9, S-1, S-2, S-3
	43	Industrial Waste Treatment Plant	Parcel 64	Yes (HS)	-	R-9

SWMU ID No. (R-11)	AREE No. (R-9)	NAME	PARCEL No. (CERFA MAP)	NOTED ON CERFA MAP	REMEDATION ACTIVITY	REF.
	45 to 109	PCB transformers	Numerous Parcels	No	No leaking PCB-containing transformers were identified	R-8, I-2
	110	Asbestos	Numerous Parcels	Yes (A) -Noted in Parcel heading and accompanying table	Asbestos-containing building materials (ACBM) noted; Friable asbestos removed from all bldgs. except 603, 604	R-15

Legend:

- HS: Storage of Hazardous Substances
- HR: Release or Disposal of Hazardous Substances
- PS: Storage of Petroleum Products
- PR: Release or Disposal of Petroleum Products
- A: Asbestos-Containing Building Materials
- P: Probable

**Table 4.4-1
PCB-Containing Transformer Data**

Transformer Study No.	Transformer Location²	CERFA Map Parcel No.	PCB Concentration (ppm)	Volume (gal)	Date Installed	Date Removed
1 ¹	Pole 109	1	1,226	5	1945	11-10-90
2 ³	Building 150	4	NA	23	NA	NA
3 ³	Building 150	4	NA	NA	NA	NA
4 ³	Building 150	4	NA	NA	NA	NA
5 ^{1,3}	Building 150	4	54,132	60	1942	NA
6 ^{1,3}	Building 150	4	139,174	60	1942	NA
7 ^{1,3}	Building 150	4	46,574	60	1942	NA
8	Pole 148	8	104	35	1973	1-19-91
9	Pole 148	8	4,556	35	1973	1-19-91
10	Pole 148	8	4,327	35	1973	1-19-91
11	Pole 140a	6	3,763	15	<1969	1-19-91
12	Pole 140a	6	322	5	<1969	1-19-91
13	Pole 140a	6	898	10	<1969	1-19-91
14	Pole 140b	6	983	5	NA	1-19-91
15 ¹	Pole 221	11	1,785	10	1945	11-10-90
16 ¹	Pole 221	11	6,981	10	1945	11-10-90
17	Pole 214	12	161	10	<1967	6-12-89
18	Pole 214	12	33,040	10	<1967	6-12-89
19	Pole 214	12	271	10	<1967	6-12-89
20	Building 245	15	126	180	<1969	9-14-90
21 ¹	Pole 226	16	5,777	60	1952	11-10-90
22	Pole 226	16	1,355	60	1958	11-10-90
23 ¹	Pole 226	16	12,487	60	1952	11-10-90
24	Building 246	22	89	88	1959	11-3-88
25	Building 255	26	357,952	88	1959	11-3-88
26	Building 255	26	384,317	88	1959	11-16-88
27	Building 257	27	355,834	145	1976	8-16-90
28	Building 300	28	674	115	NA	9-21-90
29	Pole 323	32	1,672	15	1955	7-20-91
30	Pole 323	32	4,154	15	1955	7-20-91
31	Pole 323	32	1,163	15	1955	7-20-91
32	Pole 325	35	851	10	<1980	7-1-89
33	Pole 325	35	438	10	<1980	7-1-89
34	Pole 325	35	4,932	10	<1980	7-1-89
35 ¹	Pole 331	42	255	20	1945	4-16-91
36 ¹	Pole 331	42	6,753	20	1945	4-16-91
37 ¹	Pole 331	42	4,394	20	1945	4-16-91
38 ¹	Pole 314	29	3,903	NA	1945	NA
39 ¹	Pole 314	29	2,014	NA	1945	NA
40 ¹	Pole 314	29	933	NA	1945	NA
41	Building 420	63	1,520	236	NA	9-29-90
42 ¹	Building 320	32	1,156	460	1944	9-2-90
43	Building 423	68	3,222	85	1970	9-18-90
44 ¹	Pole 348	69	1,461	92	NA	1-16-89
45 ¹	Pole 349	69	4,861	NA	<1921	1-16-89
46 ¹	Pole 349	69	1,433	51	1930	1-16-89

**Table 4.4-1
PCB-Containing Transformer Data**

Transformer Study No.	Transformer Location ²	CERFA Map Parcel No.	PCB Concentration (ppm)	Volume (gal)	Date Installed	Date Removed
47	Building 348	37	3,297	59	NA	9-22-90
48	Building 348	37	3,334	60	NA	9-22-90
49	Building 348	37	2,725	60	NA	9-22-90
50	Pole 368	53	79	NA	1965	4-9-91
51	Pole 368	53	23	NA	1965	4-9-91
52	Pole 368	53	14	NA	1965	4-9-91
53 ¹	Pole 375	73	948	10	1945	4-9-91
54	Pole 432	76	62	15	1970	10-6-90
55	Pole 432	76	0	NA	1970	10-6-90
56	Pole 432	76	29	NA	1970	10-6-90
57	Building 555	85	1,899	30	1967	9-16-90
58	Building 555	85	2,321	85	1967	9-16-90
59	Building 555	85	1,038	30	1967	9-16-90
60	Building 555	85	1,688	30	1971	9-16-90
61	Building 532	79	4	NA	NA	NA
62 ¹	Pole 524	87	9,326	10	1951	10-16-90
63	Pole 671	100	25	30	1979	10-18-90
64	Pole 671	100	37	30	1979	10-18-90
65	Pole 671	100	39	NA	1979	10-18-90
66	Pole 676	100	172	15	1955	6-7-88
67	Pole 676	100	388	15	1955	6-7-88
68	Pole 676	100	1,487	15	1955	6-7-88
69	Pole 641	100	216	35	<1967	10-13-90
70	Pole 641	100	521	35	<1967	10-13-90
71	Pole 641	100	2,762	35	<1967	10-13-90
72	Pole 660	98	159	10	1965	10-13-90
73	Pole 629	99	125	NA	NA	10-13-90
74	Pole 628	99	24	NA	NA	10-13-90
75	Pole 627	99	63	NA	NA	10-13-90

¹ These transformers were noted to be either damaged or manufactured before 1955. No PCB transformers at SAAD were reported to be leaking (R-8)

² All PCB transformers have been removed; there are no current PCB transformers at SAAD (I-2).

³ These transformers were replaced with non-PCB transformers in 1987.

Source: Reference R-8

4.0 Investigation Results

Table 4.5-1: Sacramento Army Depot Remediation Projects at SAAD

Remediation Project	Status
South Post Ground Water Treatment (on site)	ROD* signed FY89, Remediation ongoing
Ground Water Treatment (off site)	Remediation ongoing, Basewide ROD FY94
Oxidation Lagoons & Drainage Ditches	ROD signed FY92, Remediation under way
South Post Burn Pits	ROD signed FY93, Remediation under way
Area of Tank No. 2	ROD signed FY91, Remediation completed
Building 300 Old Burn Pits	Basewide ROD FY94
Pesticide Mix Area	Completed FY93, No Further Action
Battery Disposal Well	Completed FY93, No Further Action
Locomotive Repair Area (Building 205)	BRAC Cleanup FY94
Building 555 - Contractor Spoils Area	Basewide ROD FY94
Parking Lot 3 - Ground Water (on site)	Pilot Test under way, Basewide ROD FY94
Freon 113 Ground Water Contamination	Pilot Test recommended, Basewide ROD FY94

*Record of Decision detailing chosen remedial action alternative.

Source: R-27

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5.1 Parcel Designation Map

The SAAD property was divided into parcels using the study area boundaries that had been previously defined by Ebasco in support of other basewide property transfer studies. The study area boundaries are indicated on the parcel designation map provided as Figure 5-1; the areas will be referred to as parcels for the purpose of the CERFA assessment.

CERFA investigations at other sites, without preexisting parcel designation, utilize a 1-acre grid system. The Army chose a 1-acre grid system to aid in the presentation of data gathered during CERFA investigations and to facilitate use of the document by reuse groups and others. The 1-acre grid provided a consistent method to report and locate environmental or other concerns. In the many cases where the concerns are much smaller than 1 acre, the grid system simplifies the depiction of the concern. Accordingly, the areal extent of many small areas of concern, such as UST sites, are liberally depicted in the CERFA report.

Additionally, the 1-acre grid size was chosen as a generally redevelopable parcel size for either industrial or residential uses. However, the grid does not drive reuse nor restrict it. Reuse decisions should be made irrespective of the grid.

For the CERFA assessment, the predefined study areas were categorized as CERFA excluded parcels, CERFA disqualified parcels, CERFA parcels with qualifier, or CERFA parcels, according to the criteria established in the scope of work and in accordance with the definitions summarized in Section 1.2. Arthur D. Little observed the following guidance provided by the USAEC for specific circumstances:

- Buildings constructed prior to 1978 are assumed to contain lead-based paint. A similar assumption is made for asbestos in buildings constructed prior to 1985.
- Storage of petroleum products, petroleum derivatives, and CERCLA-regulated hazardous substances will prevent an area from becoming a CERFA parcel as long as that storage is for one year or longer. The quantity of substances stored is not relevant to determining the applicable parcel category. However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel.
- Non-leaking equipment containing less than 50 ppm PCBs does not preclude an area from becoming a CERFA parcel. Non-leaking, out-of-service equipment with greater than 50 ppm PCBs will place an area in the CERFA parcel with qualifier category. An area is designated CERFA disqualified if there is a known release containing greater than 50 ppm PCBs.

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- Areas where there are transport systems or process equipment that handle hazardous material or petroleum products and upon which there has been no release, storage, or disposal are categorized as CERFA parcels.
- Ordnance disposal locations are designated CERFA disqualified. This does not include ordnance impact areas that are designated CERFA parcels with qualifiers.
- Routine pesticide and herbicide application in accordance with manufacturer's directions and chlorofluorocarbons and halon in operational systems do not preclude an area from becoming a CERFA parcel.
- Coal storage piles and railroad tracks do not by themselves preclude an area from becoming a CERFA parcel.

All areas that were identified as historical or current sites of storage, release, or disposal of hazardous substances or petroleum products or their derivatives, based on document review, photographs, interviews, and site inspections, were located on Figure 5-1; these areas are described in Sections 4.1 through 4.5.

The four parcel categories are identified on the map by shading. Each parcel is labeled with a code indicating the parcel number, the parcel designation [CERFA excluded (E), CERFA disqualified (D), CERFA with qualifier (Q), or CERFA (P)], and the reason for the parcel designation, if there is uncertainty associated with the available information, a "(P)" notation for probable is included in the label. The location and individual buildings within the study areas, as well as any storage, release, or disposal activities relevant to the CERFA assessment, are summarized in Table 5.1-1.

5.1.1 CERFA Disqualified Parcels

Any study area in which release, storage, or disposal of CERCLA hazardous substances or petroleum products or their derivatives has occurred currently or in the past is defined as a CERFA disqualified parcel. Areas of petroleum release include leaking UST sites, and petroleum or petroleum derivative spill sites. Storage includes underground or aboveground storage tanks; petroleum waste storage would also disqualify a study area. A spill of any known hazardous substance or unknown material constitutes a hazardous release. Hazardous substance storage was defined as storage of any amount of CERCLA hazardous substance for a period of one year or more. Since the available storage records did not generally indicate the storage period, any area that was known to have been used for storage of hazardous substances or petroleum products or their derivatives was assumed to have the potential for long-term storage.

The study areas categorized as CERFA disqualified parcels are indicated with light shading on Figure 5-1 and with a "D" following the parcel numbers; the supporting information for disqualifying the parcels is included in Table 5.1-1. Several parcels

5.0 Site Parcelization

that are in close proximity to each other contain similar activities or are impacted by the same environmental contamination. To the extent that they were disqualified from consideration as CERFA parcels for the same reasons, adjacent parcels are discussed together in this section.

Disqualified parcels were also evaluated for the presence of related environmental or safety concerns and, where appropriate, the parcel label in Figure 5-1 includes the qualifier code; supporting information is provided in Table 5.1-1. Qualifiers are not addressed in this section.

- **PARCEL 1D-HR(P)/PS/A/L(P)**

This parcel is located in the northwest corner of the installation and includes the reservoir, pump house, and antenna. The primary reasons for disqualification are former storage of fuel in an UST at the pump house and an existing aboveground gasoline tank at the antenna. There was no evidence of petroleum leaks within this parcel. This parcel also includes a small section of the railroad tracks; basic operations, including loading and unloading, have the potential for releases of hazardous substances or petroleum products or their derivatives.

- **PARCEL 2D-HS/A/L(P)**

This parcel contains the Officer's Club, pool area, and several other small buildings. This parcel was disqualified for storage of hazardous substances in the pool area.

- **PARCEL 4D-HS/A/L(P)**

This parcel contains the Post Headquarters building and the other structures at the main gate. The only reason for disqualification of this parcel is storage of hazardous substances at the Print Shop and Photo Shop located in the main administration area.

- **PARCEL 5D-PS/A/L(P)**

Both of these areas were disqualified because of aboveground backup fuel tanks for generators. In addition, there was past storage of x-ray developing chemicals in Building 154.

- **PARCEL 6D-HS/PS/A/L(P)**

- **PARCEL 8D-HS/PS/A/L(P)**

This area houses the motor pool and maintenance activities for the Army Reserves Center. The principal issues are storage of petroleum products and hazardous substances, and routine spills and leaks historically associated with the maintenance activities. The UST at Building 180 has been removed.

- **PARCEL 9D-HS/A/L(P)**

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- **PARCEL 12D-HR/HS/PS/A/L(P)**

This parcel, railroad equipment maintenance area, was disqualified because of storage of hazardous substances in the Repair Shop and soil contamination in the vicinity of the building. The Locomotive repair shop is still in use. Contaminated soil will be remediated under the BRAC Cleanup Plan prior to closure.

- **PARCEL 13D-HR**

This parcel includes the railroad tracks along the west side of the installation. This parcel has been disqualified for two reasons: (1) the basic operation of the tracks and the general rail use history at SAAD, including loading and unloading operations, indicate a high probability of releases of hazardous substances or petroleum products or their derivatives; and (2) the southern portion of this study area lies within the limits of the South Post ground water contamination.

- **PARCEL 14D-HS/PS**

- **PARCEL 16D-HS/A/L(P)**

- **PARCEL 18D-HS**

- **PARCEL 15D-HS/PS/A/L(P)**

- **PARCEL 17D-HS**

- **PARCEL 19D-HS/L(P)**

Buildings within these parcels are currently designated for hazardous substance storage. In addition, there were several former USTs that have been removed from the area and an active UST in Parcel 14; there are no records to indicate that any of the tank removals required remediation activities. Refer to Table 5.1-1 for details on the individual parcels.

- **PARCEL 20D-HS/A/L(P)/RD**

- **PARCEL 22D-HS/A/L(P)**

- **PARCEL 24D-HS/A/L(P)/RD**

- **PARCEL 26D-HR/HS/A/L(P)/RD**

- **PARCEL 21D-HS/A/L(P)/RD**

- **PARCEL 23D-HS/A/L(P)**

- **PARCEL 25D-HS/A/L(P)**

- **PARCEL 27D-HS/A/L(P)/RD**

These parcels have been disqualified for storage of hazardous substances. The specific activities in the individual buildings are listed in Table 5.1-1.

The overall approach for warehouses included an evaluation of all documents that referenced storage of specific hazardous substances, site inspection of the warehouses and the immediate vicinity, and some assumptions about what may have been stored in the warehouses in the past. The predominant stock in most of the warehouses is electronic equipment. Many of the electronic units stored in the warehouses contain radioactive components sealed within the unit itself. However, the presence of these materials alone was not considered adequate reason to disqualify the entire warehouse.

Hazardous substances (paints, solvents, pesticides, etc.) are specifically stored in several of the warehouses. While the current storage of these materials appears to be confined to specific areas, that may not have been the case in the past. Furthermore, there is storage of a lot of material on a rather temporary basis in the areas between the warehouses. All of the warehouses are designed as general storage facilities and the EMD staff has responded to hazardous substance spills

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in several of the warehouses. For these reasons, we have designated all of the warehouses as CERFA disqualified parcels due to the potential for storage or spill of hazardous substances.

- **PARCEL 28D-HR/HS/PS/A/L(P)/RD**

This parcel includes the area of Building 300 and the Old Burn Pits. The contamination in this area is discussed in Section 4.5; cleanup will be addressed under the basewide ROD. As indicated in Table 5-1.1, this parcel also includes the site of a former UST and hazardous substance storage within Building 300.

- PARCEL 29D-HR/HS/A/L(P)
- PARCEL 30D-HR
- PARCEL 31D-HR/HS
- PARCEL 32D-HR/HS/PS/A/L(P)/RD
- PARCEL 33D-HR/HS/L(P)
- PARCEL 34D-HS(P)
- PARCEL 35D-HS/A/L(P)
- PARCEL 36D-HR/HS/A/L(P)
- PARCEL 37D-HS/A/L(P)
- PARCEL 38D-HS(P)
- PARCEL 57D-HR
- PARCEL 58D-HR
- PARCEL 59D-HR/HS
- PARCEL 60D-HR
- PARCEL 61D-HR/HS
- PARCEL 62D-HR/HS/A
- PARCEL 63D-HR/HS/A/L(P)
- PARCEL 64D-HR(P)/HS
- PARCEL 65D-HR/HS
- PARCEL 66D-HR/HS(P)
- PARCEL 67D-HR/HS(P)
- PARCEL 68D-HR/HS/A/L(P)
- PARCEL 69D-HR/HS/A/L(P)
- PARCEL 70D-HS/L(P)
- PARCEL 71D-HS(P)
- PARCEL 74D-HR
- PARCEL 75D-HR/HS/A/L(P)

These parcels represent the principal area of industrial activities at SAAD, including the industrial wastewater treatment plant; most of the graphic arts activities (plating, blasting, painting, steam cleaning, etc.); the hazardous substances collection and consolidation areas; and the hazardous waste handling areas. In addition, there are three remediation areas within the area of these parcels: Tank No. 2 (completed), Parking Lot 3, and Freon 113 contamination; the latter two sites involve ground water contamination that extends under these parcels. Both sites will be addressed under the basewide ROD.

The specific hazardous substances storage, release, and/or disposal activities are located on the map in Figure 5-1 and detailed in Table 5.1-1 for each parcel. The entire area has been categorized as CERFA disqualified. If there was no documentation to indicate a specific incident, a (P) notation for probable storage, release, or disposal was included in the parcel code; this was the case for Parcels 34, 38, 64, 66, and 71.

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- PARCEL 39D-HS(P)/PS/A/L(P)
- PARCEL 41D-HS(P)/A/L(P)
- PARCEL 43D-HS/PS/A/L(P)
- PARCEL 45D-HS
- PARCEL 47D-HS/L(P)
- PARCEL 49D-HR/HS/A
- PARCEL 51D-HR/HS
- PARCEL 53D-HS(P)/A
- PARCEL 40D-HS/PS/A/L(P)
- PARCEL 42D-HS/PS/A
- PARCEL 44D-HS(P)
- PARCEL 46D-HS
- PARCEL 48D-HR/HS/A/L(P)
- PARCEL 50D-HS/L(P)
- PARCEL 52D-HR(P)/HS(P)

These parcels represent the area encompassing most of the engineering activities at SAAD, including the boiler plant, storage areas and maintenance shop for the facilities department, and the former Pesticide Mix Area. There are several areas of documented hazardous substances storage within this area. Historical photographs of this area also show several open storage areas that may have been used for drum storage or storage/disposal of other potentially hazardous substances. These areas have been investigated and limited contamination in specific areas has been defined; the only area requiring remediation is the former Pesticide Mix Area; cleanup of this area has been completed. The areas of investigation are identified in Section 4.1.

The CERFA investigation requires identification of all areas where storage, release, or disposal has occurred even if no residual contamination requiring remediation is observed. For this reason, this entire area has been categorized as CERFA disqualified. The specific areas where there is documentation to support storage, release, or disposal are shown on the map in Figure 5-1 and detailed in Table 5.1-1 for each parcel. If there was no documentation to indicate a specific incident, a (P) notation for probable storage, release, or disposal was included in the parcel code; this was the case for Parcels 41, 44, 52, and 53.

- PARCEL 54D-HS
- PARCEL 56D-HS/PS
- PARCEL 55D-HR/HS/PR/PS/A/L(P)

These parcels include the maintenance area for most of the installation vehicles and a former gas station. There are several documented areas of hazardous substances storage, a collection/accumulation point for hazardous wastes, three former USTs for fuel storage, and several documented spills in the area of Building 382. The vehicle maintenance activities have the potential for historical release of petroleum products or hazardous substances even if no residual contamination is observed.

The specific storage, release, and/or disposal activities for hazardous substances or petroleum products or their derivatives are located on the map in Figure 5-1 and detailed in Table 5.1-1 for each parcel. The entire area has been categorized as CERFA disqualified.

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- **PARCEL 76D-HS(P)/PS/A/L(P)**

This parcel is the primary storage and loading area for SAAD; it includes a large open storage area that is currently used for storage of vehicles, containers, shelters, generators, equipment, etc. Aboveground fuel tanks were also noted in the vicinity of Building 452, as indicated in Table 5.1-1. Since there is the potential for historical storage and minor releases of hazardous substances or petroleum products or their derivatives in this area, this parcel has been categorized as CERFA disqualified.

- **PARCEL 77D-HS**

This parcel includes a storage shed that has been used for storage of war reserves, including hazardous substances. The entire parcel has been categorized as CERFA disqualified.

- | | |
|--------------------------------|-------------------------------|
| • PARCEL 13D-HR | • PARCEL 78D-HR |
| • PARCEL 79D-HR(P)/PS | • PARCEL 80D-HR |
| • PARCEL 81D-HR | • PARCEL 83D-HR/HS |
| • PARCEL 84D-HR/HS/L(P) | • PARCEL 88D-HR |
| • PARCEL 89D-HR | • PARCEL 90D-HR/A/L(P) |

These parcels cover most of the open area on the west side of SAAD, south of Midway Avenue. The area includes specific areas that have been used for disposal of hazardous substances in the past and which are current remediation areas (Oxidation Lagoons and drainage ditches to Morrison Creek, Burn Pits), as well as other areas of disposal that were identified as areas of potential concern in the RFA (R-11) but at which no residual contamination requiring remediation was observed. The limits of contamination due to the South Post ground water plume, as defined by the 5 ppb TCE concentration contour, extends under Parcels 13, 80, 81, 83, 84, 88, 89, and 90 (see Figure 5-1).

The areas of soil and ground water contamination, as well as the specific locations of storage, disposal or release activities are indicated on the map in Figure 5-1. These areas of concern for each parcel are also identified and discussed in Table 5.1-1. In addition, due to the number of disposal areas and the proximity of the three contaminated ground water plumes, parcels in this area for which there was no documented incidents were also listed as potential historical release or disposal areas.

- **PARCEL 82D-HR**

This parcel includes the former battery disposal well, an active remediation area. The residual materials will be removed from the well and metals contamination in the soils will be remediated.

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- **PARCEL 85D-HS/A/L(P)/RD**

This parcel includes the main electro-optics facility for SAAD. Several designated hazardous substances storage and accumulation areas are indicated of the map in Figure 5-1 and listed in Table 5.1-1. The entire parcel has been categorized as CERFA disqualified.

- **PARCEL 86D-HR**

This parcel includes the Contractor Spoils Area, east of Building 555. The area was formerly used to store dirt, asphalt, and debris from construction sites and is currently under investigation for potential release and/or disposal of hazardous substances. Preliminary results indicate limited contamination typical of the construction materials found. The site will be addressed as part of the BRAC Cleanup prior to closure. The location of this site investigation is shown in Figure 5-1. The entire parcel has been categorized as CERFA disqualified.

- **PARCEL 87D-HR**

This parcel includes an area south of Building 555 in which former disposal trenches were observed in aerial photographs. The area was identified as Site 011 in the RFA (R-5) and was investigated for potential release and/or disposal of hazardous substances. Preliminary results indicated limited contamination (trace levels of volatile organic compounds) and no remediation of this area is expected. Since there may have been some disposal of hazardous substances in the past, this parcel has been CERFA disqualified.

- **PARCEL 98D-HS/PS**

This parcel includes the AAFES gas station in the southern portion of SAAD. This station is still active and currently has three USTs for storage of unleaded gasoline; SAAD records indicate that a former waste oil tank was removed from the site. These are indicated on the map in Figure 5-1 and listed in Table 5.1-1. This parcel has been categorized as CERFA disqualified.

5.1.2 CERFA Parcels With Qualifier

Study areas for which there is no evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives, but for which there is evidence of the presence of other environmental concerns, are categorized as CERFA parcels with qualifier. These parcels are indicated on the map by a medium shading and a "Q" following the parcel number; the buildings and areas within these parcels and the supporting information are included in Table 5.1-1.

The SAAD parcels discussed below were categorized as CERFA parcels with qualifier; the only concerns identified in these parcels were ACBM and lead-based paint. The lead-based paint information is not certain since the presence of lead-based paint has been based solely on date of construction of the building; none of the buildings have been surveyed. The lead-based paint survey will be completed in April 1994.

5.0 Site Parcelization

Each of the CERFA parcels with qualifiers was also evaluated to identify any potential impacts from activities or contamination on the adjacent or surrounding properties (both within SAAD and off site) and to ensure that the parcel is not impacted by those activities or contamination. The results of the evaluation are summarized below.

- **PARCEL 3Q-A/L(P), Area around Restaurant and Credit Union**
The SAAD parcels that are immediately adjacent to Parcel 3Q-A/L(P) are Parcel 2D-HS/A/L(P), Parcel 4D-HS/A/L(P), and Parcel 20D-HS/A/L(P). These three parcels were disqualified for hazardous substance storage in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within these parcels and none of these parcels is expected to have an adverse impact on Parcel 3Q-A/L(P).

Since this parcel runs along the northern border of the installation, it is adjacent to the off site properties to the north, including Proctor & Gamble and Pacific Bell, which are listed as adjacent generator facilities. There are several registered USTs located on property adjacent to the northern border of SAAD; two leaking UST reports were filed on these tanks: a leaking UST (gasoline) at Proctor & Gamble, and a leaking UST (diesel) at Fleming Industries, 8301 Fruitridge Road. In both cases, soil was identified as the only medium affected and SAAD property is not expected to be impacted. In addition, several hazardous substance spills were reported on property adjacent to the northern border of SAAD; these spills were not extensive and none of the spills is likely to impact Parcel 3Q-A/L(P). It should also be noted that ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

- **PARCEL 11Q-L(P), Building 220**
The SAAD parcels that are immediately adjacent to Parcel 11Q-L(P) are: Parcel 1D-HR(P)/PS/A/L(P), Parcel 2D-HS/A/L(P), Parcel 20D-HS/A/L(P), and Parcel 10P. Parcel 10P has been categorized as an uncontaminated CERFA parcel, and no impact on Parcel 11Q-L(P) is likely. Parcels 2D-HS/A/L(P) and 20D-HS/A/L(P) were disqualified for hazardous substance storage in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within these parcels and neither is expected to have an adverse impact on Parcel 11Q-A/L(P). Similarly, Parcel 1D-HR(P)/PS/A/L(P) was disqualified for petroleum product storage in specific locations; no releases or leaks were reported. Although a small section of the railroad tracks is adjacent to Parcel 11Q-L(P) and included within Parcel 1D-HR(P)/PS/A/L(P), it is not expected that there would be any impact on Parcel 11Q-L(P).

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- PARCEL 72Q-L(P), Building 450 (substation)
- PARCEL 73Q-A/L(P), Parking Lot #4 and Building 393

These two parcels are located in the east-central portion of the installation. They are bordered on the north by the SAAD engineering area; parcels in this area have been disqualified due to storage of hazardous substances or petroleum products; historical photographs also indicated potential open storage/disposal of hazardous substances in this area. Limited soil contamination has been defined and remediated. Based on the existing information, no impact on Parcels 72Q-L(P) and 73Q-A/L(P) is expected from these areas. These parcels are bordered on the west and south by a number of parcels, i.e., Parcels 37D-HS/A/L(P), 70D-HS/L(P), 71D-HS(P), and 76D-PS/HS(P)/A/L(P), that have been disqualified for hazardous substance storage in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within these parcels and none is expected to have an adverse impact on Parcels 72Q-L(P) or 73Q-A/L(P).

Since Parcel 73Q-A/L(P) abuts the eastern border of the SAAD property, it is adjacent to the off-site properties to the east, including the Central Valley Chemical Corporation and the Metalloy Steel Foundry. The Metalloy Steel Foundry property at 8588 Thys Court was identified in the state Superfund sites database as an abandoned factory. Several registered USTs are located on property adjacent to the eastern border of SAAD; the leaking UST database identified one leaking UST. The 1991 UST incident involved mineral spirits and was limited to the soil; no impact on SAAD property is expected from this incident. There were three reported spills of hazardous substances on properties adjacent to SAAD in the vicinity of Parcel 73Q-A/L(P): abandoned waste oil drums in a vacant lot at 8543 Unsworth Avenue (reported in 1989); a spill of red dye at 8555-1 Thys Court that may have affected Morrison Creek (reported in 1988); and chemicals, reportedly including PCBs, left on the site of the abandoned factory at Metalloy, Inc., 8588 Thys Court (reported in 1991). Based on the available information, these incidents are not expected to impact Parcel 73Q-A/L(P) since most of the contamination is confined to soils. It should also be noted that ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

- PARCEL 94Q-A/L(P), Building 672 (morale support facility)
 - PARCEL 95Q-A/L(P), Buildings 666/668/670 (classrooms)
- These interior parcels are located in the southeast portion of the installation. They are bordered by three CERFA parcels (Parcels 92P, 93P, and 96P) and two CERFA excluded parcels (99E and 100E). The CERFA parcels are considered uncontaminated areas with no evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives, and for which there is no evidence of the presence of other environmental concerns. A limited evaluation of the CERFA excluded parcels was performed within the

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CERFA assessment. The available information indicated no evidence of storage, release, or disposal of hazardous substances; storage of petroleum products was reported at within Parcel 100E but no releases were reported. None of the adjacent or surrounding parcels are expected to impact Parcels 94Q-A/L(P) or 95Q-A/L(P).

5.1.3 CERFA Parcels

Parcels in which there is no evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives, and for which there is no evidence of the presence of other environmental concerns, are categorized as CERFA parcels. Each of the CERFA parcels was also evaluated to identify any potential impacts from activities or contamination on the adjacent or surrounding properties (both within SAAD and off site) and to ensure that the parcel is not impacted by those activities or contamination. Areas designated as CERFA parcels are considered clean, uncontaminated areas. The CERFA parcels are shown on the map in Figure 5-1 with no shading and a "P" following the parcel number. The locations of these parcels are provided in Table 5.1-1. The results of the evaluation for each of the parcels are summarized below.

The following parcels were categorized as CERFA parcels:

- **PARCEL 7P, Parking Lot #1 east of the main gate**
The SAAD parcels that are immediately adjacent to Parcel 7P are Parcel 5D-PS/A/L(P), Parcel 6D-PS/HS/A/L(P), Parcel 8D-PS/HS/A/L(P), and Parcel 24D-HS/A/L(P). With the exception of Parcel 8D-HS/PS/A/L(P), these parcels were disqualified for storage of hazardous substances and petroleum in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within these parcels and none of these parcels is expected to have an adverse impact on Parcel 3Q-A/L(P). Within the area defined as Parcel 8D-HS/PS/A/L(P), a leaking petroleum UST was removed; contamination was limited to soil and no impact on Parcel 7P is expected.

Since Parcel 7P runs along the northern border of the installation, it is adjacent to the off-site properties to the north, including the Proctor & Gamble and Pacific Bell which are listed as adjacent generator facilities. There are several registered USTs located on property adjacent to the northern border of SAAD. Two leaking UST reports were filed on these tanks: a leaking gasoline UST at Proctor & Gamble, and a leaking diesel UST at Fleming Industries, 8301 Fruitridge Road. In both cases soil was identified as the only medium affected and SAAD property is not expected to be impacted. In addition, several hazardous substance spills were reported on property adjacent to the northern border of SAAD; these spills were not extensive and none of the spills is likely to impact Parcel 7P. It should also be noted that ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

5.0 Site Parcelization

- **PARCEL 10P, Parking Lot #2 west of Building 220**
The SAAD parcels that are immediately adjacent to Parcel 10P are Parcel 1D-HR(P)/PS/A/L(P), and Parcel 11Q-L(P). Parcel 1D-HR(P)/PS/A/L(P) was disqualified for petroleum product storage in specific locations; no releases or leaks were reported. Although a small section of the railroad tracks is also within Parcel 1D-HR(P)/PS/A/L(P) and adjacent to Parcel 10P, it is not expected that there would be any environmental impact on Parcel 10P from the railroad tracks. Parcel 11Q-L(P) has been categorized as a CERFA parcel with qualifier due to the likely presence of lead-based paint in Building 220; the presence of lead-based paint will be confirmed in the survey expected to be completed in April 1994. No current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives was indicated on Parcel 11Q-L(P) and no impact on Parcel 10P is likely.
- **PARCELS 92P, 93P, Undeveloped area south of Kwajalein Street**
Four parcels border on Parcel 92P and Parcel 93P: Parcel 96P, Parcel 94Q-A/L(P), Parcel 95Q-A/L(P), and Parcel 100E. No current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives was indicated on any of the listed CERFA parcels or CERFA parcels with qualifiers. The adjacent excluded parcel, Parcel 100E, formerly contained two USTs for petroleum storage; these tanks were not reported to have leaked and no impact from these tanks on Parcel 92P or Parcel 93P is expected. No other evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives was indicated for this parcel.
- **PARCEL 96P, Undeveloped area south of Kwajalein Street**
The SAAD parcels that are immediately adjacent to Parcel 96P are Parcel 87D-HR, Parcel 98D-PS/HS, Parcel 92P, Parcel 97P, Parcel 95Q-A/L(P), and Parcel 100E. Parcel 87D-HR was disqualified for past disposal of hazardous substances in trenches; investigation of the area indicated limited contamination and no impact on Parcel 96P from these trenches is expected. Parcel 98D-PS/HS and Parcel 100E, respectively, include current and former locations of petroleum storage in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within these parcels and neither of these parcels is expected to have an adverse impact on Parcel 96P. No current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives was indicated on Parcel 92P, Parcel 97P, or Parcel 95Q-A/L(P) and these parcels are not expected to have an impact of Parcel 96P. No former industrial activity or disposal activity was observed in aerial photographs of the area south of Kwajalein Street.

Parcel 96P runs along the eastern border of the installation and is adjacent to the off-site properties to the east. No releases of hazardous materials or petroleum products or their derivatives were reported on properties adjacent to Parcel 96P.

5.0 Site Parcelization

Although several spills and leaks were reported farther to the southeast of SAAD, these were confined to soils and not likely to impact SAAD property. It should also be noted that ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

- **PARCEL 97P, Parking Lot #9 north of AAFES station**
Two SAAD parcels are immediately adjacent to Parcel 97P: Parcel 98D-PS/HS and Parcel 96P. Parcel 98D-PS/HS was disqualified for storage of petroleum and hazardous substances in specific locations; no release or disposal of hazardous substances or petroleum products or their derivatives occurred within this parcel and no impact on Parcel 97P is expected. No current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives was indicated on Parcel 96P and this parcel is not expected to have an impact of Parcel 97P.

Parcel 97P runs along the eastern border of the installation and is adjacent to the off-site properties to the east. No releases of hazardous materials or petroleum products or their derivatives were reported on properties adjacent to Parcel 97P. Although several spills and leaks were reported farther to the southeast of SAAD, these were confined to soils and not likely to impact SAAD property. It should also be noted that ground water contamination migrating onto the installation would be detected in the monitoring wells installed around the perimeter of SAAD; those wells have not shown any contamination (R-26).

5.2 Location Map and Property Boundaries

Figure 5-2 is a tract map providing the property boundaries and property transfer information, including prior ownership of the tracts that currently make up SAAD. This map was provided by the U.S. Army Corps of Engineers, Real Estate Division, Sacramento District. All tracts were acquired by the Department of the Army in the 1940s.

5.3 Summary CERFA Map

Figure 5-3 provides a summary breakdown of the SAAD property according to the criteria for parcel identification under CERFA. Figure 5-3 is identical to Figure 5-1 but presents only the CERFA designations and shading for each parcel; none of the backup environmental data have been included.

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
1D-HR(P)/PS/A/L(P) 20.9 acres	NW corner of SAAD undeveloped Bldg. 100 (antenna) Bldg. 107 (reservoir) Bldg. 109 (pump house)	Disqualified Qualifier	-Potential for release of hazardous substances on portion of railroad tracks -Former UST (bldg. 109) and aboveground gasoline tank at antenna (I-1) -ACBM: bldgs. 107 (NF), 109 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 107(1976), 109(1946)	-UST removed
2D-HS/A/L(P) 7.8 acres	Bldg. 130 (guardhouse) Bldg. 140 (Officer's Club) Bldg. 141 (pool) Bldg. 142 (bath house) Bldg. 143 (snack house) Parking Lot #10	Disqualified Qualifier	-Hazardous substances storage in pool area (I-5) -ACBM: bldg. 130 (NF), 140 (NF), 142 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 130(1946), 140(1946), 142(1962), 143(1962)	-Friable asbestos removed from bldg. 140 (R-4)
3Q-A/L(P) 8.1 acres	Bldg. 149 (restaurant, credit union) open lot	CERFA w/ Qualifier	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -ACBM: Bldg. 149 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 149(1946)	-Friable asbestos removed from bldg. 149 (R-4)
4D-HS/A/L(P) 4.6 acres	Bldg. 150 (post headquarters) Other structures at main entrance	Disqualified Qualifier	-Bldg. 150: Hazardous substances storage in print shop and photo shop in SE corner (R-10, S-1) -ACBM: bldg. 150 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 150(1946)	-Friable asbestos removed from bldg. 150 (R-4)
5D-PS/A/L(P) 1.4 acres	Bldg. 152 (guardhouse) Bldg. 153 (admin. bldg.) Bldg. 163 (sentry sta.) Bldg. 164 (visitor ctr.) Bldg. 165 (generator)	Disqualified Qualifier	-Backup fuel storage for generators 163 (700 gallons, diesel) and 165 (20 gallons, gasoline) (I-1) -ACBM: bldg. 152 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 152(1962)	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
6D-HS/PS/A/L(P) 1.0 acre	Bldg. 154 (health clinic) Bldg. 155 (cooling towers) Bldg. 156 (generator)	Disqualified Qualifier	-Backup fuel storage for generator at bldg. 156 (15-20 gallons, diesel) (I-1) -Former storage of x-ray developing chemicals at health clinic (R-2, R-10) -ACBM:bldgs. 154 (NF), 155 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 154(1946), 155(1975), 156(1975)	-Friable asbestos removed from bldg. 154 (I-4)
7P 7.0 acres	Parking Lot 1	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -Minor spills typical of normal automotive use (R-16)	
8D-HS/PS/A/L(P) 5.4 acres	Bldg. 180 (Army Res. Ctr.) Parking Lot 12	Disqualified Qualifier	-Former UST (diesel, size unknown) at SW corner of bldg. 180, Tank ID 100-1 (R-1) -Maintenance activities and hazardous substances storage in bldg. 180 (R-9) -Minor spills typical of normal automotive use (R-16) -ACBM in bldg. 180 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 180(1956)	-UST removed -Friable asbestos removed from bldg. 180 (I-4)
9D-HS/A/L(P) 2.8 acres	Bldg. 181 (Army Res.) Bldg. 182 (grease racks) Bldg. 183 (oil house) Bldg. 184 (dispatch) Bldg. 185 (wash facility) Bldg. 187 (hazardous substances storage)	Disqualified Qualifier	-Motor Pool for Reserves: Grease racks, hazardous substances/hazardous waste storage (R-9, S-1) -ACBM: bldgs. 181 (NF), 183 (NF), 184 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 181(1956), 183(1974), 184(1974)	
10P 2.8 acres	Parking Lot 2	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
11Q-L(P) 0.9 acre	Bldg. 220 (warehouse)	CERFA w/ Qualifier(P)	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -Probable Lead-based paint (based on date of construction): bldg. 220(1946)	
12D-HR/HS/PS/A/L(P) 0.7 acre	Bldg. 204 (storehouse) Bldg. 205 (railroad equipment maintenance shop)	Disqualified	-Soil contamination related to locomotive repair shop (Remediation Area No. 8) (R-4, R-11) -Hazardous substances storage (R-2, R-4) -Former UST (12,000 gallon, diesel), Tank ID 200-2 (R-1) -ACBM: bldgs. 204 (NF), 205 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 204(1946), 205(1946)	-UST removed -Remediation Site; contaminated soil will be remediated prior to closure (R-27) -Friable asbestos removed from bldg. 205 (1-4)
13D-HR 33.7 acres	Railroad tracks along west side of SAAD	Disqualified	-Basic operations on railroad tracks indicate high potential for release of hazardous substances or petroleum products -GW contamination (TCE) from Burn Pits (Remediation Area No. 2) under this area (R-18, R-19)	-GW Remediation under South Post GW contamination ROD
14D-HS/PS 2.0 acres	Bldg. 243 (flammable materials storehouse) Bldg. 250 (active UST) Bldg. 221 (scale house) Bldg. 245 (ADP bldg.)	Disqualified	-Active 4,000-gallon UST (diesel), Tank ID 250-1 (R-1) -Hazardous substances storage in bldg. 243 (R-2, R-3, R-4)	
15D-HS/PS/A/L(P) 2.0 acres		Disqualified	-Hazardous substances storage in bldg. 245 (R-4, R-6, S-1) -Former 5,000-gallon UST (diesel) NE of bldg. 245, Tank ID 200-3 (R-1) -Former 500-gallon UST (diesel) SW of bldg. 245, Tank ID 200-4 (R-1) -ACBM: bldg. 245 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 245(1953)	-Both UST's removed in 1992 -Friable asbestos removed from bldg. 245 (R-4)
16D-HS/A/L(P) 1.7 acres	Bldg. 247 (cold storage warehouse)	Disqualified	-Hazardous substances storage (mercury batteries) (R-4) -ACBM: bldg. 247 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 247(1954)	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
17D-HS 0.8 acre	Bldg. 215 (flammable material storage)	Disqualified	-Hazardous substances storage (R-2, R-3, R-4)	
18D-HS 0.7 acre	Bldg. 249 (flammable material storage)	Disqualified	-Hazardous substances storage (R-2, R-3, R-4)	
19D-HS/L(P) 0.7 acre	Bldg. 240 (storage shed) Bldg. 241 (storage shed)	Disqualified	-Bldg. 241 was hazardous substances turn-in center and hazardous waste consolidation point for solvents, oils, paint, batteries, etc. (R-2, R-3, R-4) -Bldg. 240 may also have stored similar materials (S-1) -Probable Lead-based paint (based on date of construction): bldgs. 240(1968), 241(1968)	
20D-HS/A/L(P)/RD 10.7 acres	Bldg. 242 (general purpose warehouse)	Disqualified	-Former 5,000-gallon UST (waste solvent) at SW corner of bldg. 242, Tank ID 200-1 (R-1, R-5, R-11) -Hazardous substances storage in bldg. 242 (R-2, R-3, R-4) -Temporary storage of vehicles south of bldg. 242 (S-1) -ACBM: bldg. 242 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 242(1946) -Equipment containing radiological sources packed or stored in bldg. 242 (R-29)	-UST removed -Friable asbestos removed from bldg. 242 (R-4)
21D-HS/A/L(P)/RD 11.4 acres	Bldg. 244 (general purpose warehouse)	Disqualified	-Hazardous substances storage: pesticides, paints, solvents, oils, radioactive materials (R-2, R-3, R-4). Radiation signs posted on the door of bay 4 (radiological sources storage area) indicate measured radiation levels of 0.03mR/hr at the location outside of the bldg. (S-1). -Temporary storage of supplies, vehicles, tank trucks, generators, and fuel between the warehouse bldgs. -ACBM: bldg. 244 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 244(1946) -Equipment containing radiological sources packed or stored in bldg. 244 (R-29)	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIAL ACTION
22D-HS/A/L(P) 11.9 acres	Bldg. 246 (general purpose warehouse)	Disqualified	-Hazardous substances storage (paints, pigments, solvents) associated with painting operations in bays 3 and 4 (R-4) and maintenance areas (R-9)	-Friable asbestos removed from bldg. 246 (R-4)
		Qualifier	-ACBM: bldg. 246 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 246(1953)	
23D-HS/A/L(P) 11.1 acres	Bldg. 248 (general purpose warehouse)	Disqualified	-Hazardous substances storage (paints, pigments, solvents) associated with painting operations in bays 3, 4, and 5 and other maintenance operations (R-4, R-9)	-Friable asbestos removed from bldg. 248 (R-4)
		Qualifier	-ACBM: bldg. 248 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 248(1952)	
24D-HS/A/L(P)/RD 12.2 acres	Bldg. 251 (general purpose warehouse)	Disqualified	-Bulk storage of adhesives, oils, solvents, organic cleaners in bay 2 (R-3, R-4) -Hazardous substances storage associated with soldering, cleaning, painting, and other maintenance operations in bays 4, 5, and 6 (R-11)	-Friable asbestos removed from bldg. 251 (1-4)
		Qualifier	-ACBM: bldg. 251(NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 251(1946) -Equipment containing radiological sources stored in bldg. 253; radiological waste storage area (R-29)	
25D-HS/A/L(P) 12.9 acres	Bldg. 253 (general purpose warehouse)	Disqualified	-Hazardous substances storage (pesticides) noted on bldg. 253 (S-1) -55-gallon drum of lube oil at west end of bldg. (S-1)	
		Qualifier	-Storage of vehicles, mobile generators with 55-gallon fuel tanks, and communication equipment in the area between bldgs. 253 and 255 (S-1) -ACBM: bldg. 253 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 253(1946)	

Table 5.1-1 Parcel Data for CERFA Assessment at SAAD (rev. 3/7/94)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIACTION ACTIVITY
26D-HR/HS/A/L(P)/RD 13.0 acres	Bldg. 255 (general purpose warehouse)	Disqualified	<ul style="list-style-type: none"> -118th Division Vehicle Maintenance; EMD responded to spills, including chlorine spill (R-16, I-2) -Hazardous substances storage (radioactive materials) (R-2,R-4) -Storage of vehicles and mobile generators with 55-gallon fuel storage was observed during site inspection (S-1). -ACBM: bldg. 255 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 255(1953) -Equipment containing radiological sources packed or stored in bldg. 255 (R-29) 	-Friable asbestos removed from bldg. 255 (R-4)
27D-HS/A/L(P)/RD 12.2 acres	Bldg. 257 (general purpose warehouse) Bldg. 254 (storage shed) Bldg. 256 (storage shed)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage (paints, solvents, thinners, radioactive materials) in bldg. 257 bays 3, 5, and 6 associated with painting and maintenance activities (R-2, R-3, R-4) -CARC (Chemical Agent Resistance Coating) facility located in bay 6 (R-4) -Hazardous substances storage (paints, solvents, thinners) in bldgs. 254 and 256 (R-2) -Hazardous substances storage at SE corner of bldg. 257 (R-4) -ACBM: bldg. 257 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 257(1953) -Equipment containing radiological sources packed or stored in bldg. 257 (R-29) 	-Friable asbestos removed from bldg. 257 (R-4)
28D-HR/HS/PS/A/L(P)/RD 0.8 acre	Bldg. 300 (electronic maintenance shop)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage (radioactive materials, solvents, lab chemicals) at TMDE Calibration Lab (R-2, R-3, R-4) -Former 5,000-gallon UST (diesel) at SE corner of bldg. 300, Tank ID 300-4 (R-1) -Hazardous substances release from old Burn Pits (Remediation Area No. 5) behind bldg. 300 (R-12) -ACBM: bldg. 300 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 300(1958) -High energy radiological sources packed or stored in bldg. 300 (R-29) 	<ul style="list-style-type: none"> -UST removed in 1992 (R-1) -Old Burn Pits site is Remediation Site; to be addressed under Basewide ROD (R-27) -Friable asbestos removed from bldg. 300 (R-4)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
29D-HR/HS/A/L(P) 1.7 acres	Bldg. 301 (former IWTP pump house) Bldg. 303 (clarifiers) Bldg. 308 (clarifiers)	Disqualified	-Hazardous substances storage in IWTP tanks (RFA site 026): metals sludge, plating wastewaters (R-2, R-3, R-4, R-11) -Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) extends into the southern two-thirds of this parcel (R-7, I-3) -ACBM: bldg. 301 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 301(1946)	-GW contamination from Parking Lot 3 is Remediation Site; to be addressed under Base-wide ROD (R-27)
30D-HR 1.5 acres	Parking Lot D	Disqualified	-Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) extends into the southern 2/3 of this parcel (R-7, I-3)	-GW contamination from Parking Lot 3 is Remediation Site; to be addressed under Base-wide ROD (R-27)
31D-HR/HS 0.2 acre	Bldg. 310 (flammable materials storage)	Disqualified	-Hazardous substances storage: oils, solvents, paints, thinners, MEK, Trichlorotrifluoroethane (R-2, R-3, R-4) -Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) extends into this parcel (R-7, I-3)	-GW contamination from Parking Lot 3 is Remediation Site; to be addressed under Base-wide ROD (R-27)

Table 5.1-1 Parcel Data for CERFA Assessment at SAAD (rev. 3/7/94)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
32D-HR/HS/PS/A/ L(P)/RD 5.9 acres	Bldg. 315 (cyanide sump) Bldg. 316 (acid sump) Bldg. 320 (graphic arts, electrical maintenance)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage in bldg. 320: metals, solvents, oils, paints, radioactive materials (R-3) -Hazardous substances storage in cyanide sump (RFA Site 012B) and acid sump (RFA Site 013B), now inactive (R-11, R-5) -Former 1,000-gallon UST (fuel) located SW of bldg. 320, Tank ID 300-6 (R-1) -Former 1,000-gallon UST (gasoline) located SE of bldg. 320, Tank ID 300-8 (R-1) -Former 1,000-gallon UST (Tank No. 2, waste solvent) located just south of bldg. 320, Tank ID 300-7 (R-1, R-11) (Most soil contamination from Tank No. 2 is within Parcel 68) -1,000-gallon UST (hazardous waste) located NW of bldg. 320, Tank ID 300-5 (R-1); location not confirmed -Cyanide leach field (RFA Site 021) located NW of bldg. 320 within this parcel (R-5, R-11) -Plating spills (RFA Site 034) noted behind bldg. 320 (R-11) -Contaminated GW associated with Freon 113 and Parking Lot 3 contamination, respectively, impacts the SE and SW portion of this parcel (R-6, R-7) -ACBM: bldg 320 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 320(1953) -Equipment containing radiological sources packed or stored in bldg. 320 (R-29) 	<ul style="list-style-type: none"> -No residual contamination requiring remediation was measured at sites of cyanide sump, acid sump, fuel USTs, cyanide leach field, or plating spills. -Site of Tank No. 2 was Remediation Site (completed) -Contaminated GW from Freon 113 plume is Remediation Site; to be addressed under Basewide ROD (R-27) -Contaminated GW from Parking Lot 3 is Remediation Site; to be addressed under Basewide ROD (R-27) -Friable asbestos removed from bldg. 320 (R-4)
33D-HS/L(P) 0.2 acre	Bldg. 321 (steam cleaning facility)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage east of bldg. 321 (R-2) -Oil-water separator located west of bldg. 321 (R-4) -Freon 113-contaminated GW plume (Remediation Area No. 10) extends into this parcel (R-6, I-3) -Probable Lead-based paint (based on date of construction): bldg. 321(1976) 	<ul style="list-style-type: none"> -Freon 113-contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDICATION ACTIVITY
34D-HS(P) 1.6 acres	Area north of bldg. 321 and south of bldg. 325	Disqualified(P)	-There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity to other areas where extensive use and storage of hazardous substances is documented, it is likely that hazardous substances were also used/stored or hazardous waste accumulated at this site	
35D-HS/A/L(P) 0.5 acre	Bldg. 325 (chemistry laboratory)	Disqualified Qualifier	-Hazardous substances storage: acids, bases, solvents (R-2, R-3) -ACBM: bldg. 325 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 325(1970)	
36D-HR/HS/A/L(P) 1.5 acres	Bldg. 330 (electronic maintenance shop)	Disqualified Qualifier	-Hazardous substances storage (solvents, oils, hardeners) associated with vehicle maintenance, welding, machining activities (R-3, R-4) -Freon 113-contaminated GW plume (Remediation Site No. 10) extends under this parcel (R-6, I-3) -ACBM: bldg. 330 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 330(1952)	-Freon 113-contaminated GW is Remediation Site; to be addressed under Base-wide ROD (R-27) -Friable asbestos removed from bldg. 330 (R-4)
37D-HS/A/L(P) 3.3 acres	Bldg. 346 (flammable materials storage) Bldg. 347 (flammable materials storage) Bldg. 348 (vehicle maintenance shop)	Disqualified Qualifier	-Hazardous substances storage in bldgs. 346 and 347 (S-1) -Hazardous substances use and storage for spray painting and machining operations; storage of petroleum products, solvents and paints; hazardous waste accumulation area (metal dust, oil sump) (R-2, R-3, R-4) -ACBM: bldg. 348 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 348(1953)	-Friable asbestos removed from bldg. 348 (I-4)

Table 5.1-1 Parcel Data for CERFA Assessment at SAAD (rev. 3/7/94)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMIEDIATION ACTIVITY
38D-HS(P) 2.9 acres	Area north of bldg. 348 and east of bldg. 325	Disqualified(P)	<p>-There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity to other industrial areas where extensive use and storage of hazardous substances is documented, it is likely that hazardous substances were also used/stored or hazardous waste accumulated at this site</p> <p>-This area was identified as RFA Site 054B, Contractor Storage Area, but no evidence of residual contamination was observed (R-5, R-11)</p>	
39D-HS(P)/PS/A/L(P) 0.8 acre	Bldg. 351 (engineering administration)	Disqualified	<p>-Two of four former 50,000-gallon USTs (fuel oil) located south of bldg. 352, Tank ID 300-12 and 300-13, appear to fall within boundaries of Parcel 39; the remaining 2 tanks, Tank ID 300-14 and 300-15, appear to fall within Parcel 42 (R-1, R-17)</p> <p>-There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity to other industrial/maintenance areas where extensive use and storage of hazardous substances is documented, it is likely that hazardous substances were also used/stored or hazardous waste accumulated at this site</p> <p>-ACBM: bldg. 351 (NF) (R-15)</p> <p>-Probable Lead-based paint (based on date of construction): bldg. 351(1946)</p>	<p>-USTs removed in 1992</p> <p>-Friable asbestos removed from bldg. 351 (1-4)</p>
40D-HS(P)/A/L(P) 0.6 acre	Bldg. 352 (boiler plant) Bldg. 365 (generator)	Disqualified	<p>-Hazardous substances storage at bldg. 352: caustics, acids, solvents, oils; hazardous waste storage east of bldg. 352 (R-2, R-4)</p> <p>-Two former 12,000-gallon USTs (fuel oil) located to the west of bldg. 352, Tank ID 300-9 and 300-10 (R-1)</p> <p>(Four former 50,000-gallon USTs (fuel oil) located to the south of bldg. 352, Tank ID 300-12, -13, -14, and -15, actually fall within parcels 39 and 42)</p> <p>-ACBM: bldg. 352 (NF) (R-15)</p> <p>-Probable Lead-based paint (based on date of construction): bldgs. 352(1946), 365(1975)</p>	<p>-USTs removed in 1992</p> <p>-Friable asbestos removed from bldg. 352 (1-4)</p>

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIAL ACTION
41D-HS(P)/A/L(P) 0.7 acre	Bldg. 353 (learning resources center)	Disqualified (P)	- There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity to other industrial/maintenance areas where extensive use and storage of hazardous substances is documented, it is likely that hazardous substances were also used/stored or hazardous waste accumulated at this site -ACBM: bldg. 353 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 353(1946)	-Friable asbestos removed from bldg. 353 (R-4)
42D-HS/PS/A 0.8 acre	Bldg. 354 (facilities engineering storehouse) Bldg. 349 (hazardous substances storage shed)	Disqualified	-Two of four former 50,000-gallon US 1's (fuel oil) located south of bldg. 352, Tank ID 300-14 and 300-15, appear to fall within boundaries of Parcel 42; the remaining 2 tanks, Tank ID 300-12 and 300-13, appear to fall within Parcel 39 (R-1, R-17) -Hazardous substances storage in bldg. 349, east of bldg. 354 (S-1) -ACBM: bldg 354 (NF) (R-15)	-US 1's removed in 1992 -Friable asbestos removed from bldg. 354 (I-4)
43D-HS/A/L(P) 1.5 acres	Bldg. 355 (facilities engineering maintenance shop) Bldg. 361 (spray painting booth) Bldg. 363 (storage shed)	Disqualified	-Hazardous substances storage associated with maintenance activities, welding and soldering, in bldg. 355 and spray painting activities in bldg. 361 (R-2, R-4) -ACBM: bldg 355 (NF), 363 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 355(1946)	-Friable asbestos removed from bldg. 355 (R-4)
44D-HS(P) 0.2 acre	Bldg. 366 (modular classroom bldg.)	Disqualified (P)	- There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity to other industrial/maintenance areas where extensive use and storage of hazardous substances is documented, it is likely that hazardous substances were also used/stored or hazardous waste accumulated at this site	
45D-HS 0.8 acre	Bldg. 367 (storage shed) Bldg. 369 (flammable materials storage) Bldg. 370 (flammable materials storehouse)	Disqualified	-Hazardous substances storage in bldgs. 369 and 370 (R-2, S-1)	

Table 5.1-1 Parcel Data for CERFA Assessment at SAAD (rev. 3/7/94)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDATION ACTIVITY
46D-HS 0.6 acre	Area east of bldg. 354	Disqualified	-Hazardous substances storage and scrap storage in fenced area to SE of bldg. 354 (R-3, R-4, S-1)	
47D-HS/L(P) 0.4 acre	Bldg. 358 (flammable materials storage)	Disqualified Qualifier(P)	-Flammable material storage at bldg. 358 (S-1) -Probable Lead-based paint (based on date of construction): bldg. 358(1947)	
48D-HR/HS/A/L(P) 0.5 acre	Bldg. 357 (general storehouse-temporary) Bldg. 359 (flammable materials storage-temporary) Former Pesticide Mix Area (northern portion)	Disqualified Qualifier	-Flammable materials storage at bldg. 359 (S-1) -Northern portion of the site defined as the Pesticide Mix Area (Remediation Area No. 6), lies with this parcel (R-11, R-12) -ACBM: bldg. 357 (NF), 359 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 357(1954), 359(1954)	-Pesticide Mix Area was Remediation Site (completed)
49D-HR/HS/A 0.6 acre	Bldg. 356 (general storehouse-temporary) Bldg. 362 (general purpose warehouse) Former Pesticide Mix Area (southern portion)	Disqualified Qualifier	-Hazardous substances storage: automotive maintenance petroleum products (R-4) -Former hazardous substances storage (pesticides) (R-2) -Southern portion of the site defined as the Pesticide Mix Area (Remediation Area No. 6) lies with this parcel (R-11, R-12) -ACBM: bldg. 356 (NF) (R-15)	-Pesticide Mix Area was Remediation Site (completed)
50D-HS 0.4 acre	Bldg. 360 (facilities engineering maintenance shop)	Disqualified Qualifier(P)	-Hazardous substances storage for equipment maintenance: petroleum products, metal dust (R-4) -Probable Lead-based paint (based on date of construction): bldg. 360(1954)	
51D-HR/HS 0.1 acre	Pesticide Mix Area	Disqualified	-Hazardous substances storage and release	-Pesticide Mix Area was Remediation Site (completed)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
52D-HR(P)/HS (P) 4.2 acres	Area north and east of bldg. 372	Disqualified	<ul style="list-style-type: none"> -There is no documented storage or release of hazardous substances in this parcel; however, it is likely that this area was used for open storage of equipment and supplies, including hazardous substances storage in the past -The northern portion of this parcel was identified as a potential area of concern, Fill Area with Numerous Vehicles (RFA Site 019B); low levels of TPH and pesticides were observed in samples from this site (R-11, R-5, R-23) -Aerial photos show open storage areas within the area of this parcel from 1957 through 1981 (R-13); the potential impact of storage at this site has not been documented 	
53D-HS(P)/A 0.4 acre	Bldg. 372 (EMD office bldg.)	Disqualified	<ul style="list-style-type: none"> -There is no documented storage or release of hazardous substances in this parcel; however, it is likely that this area was used for open storage of equipment and supplies, including hazardous substances storage in the past -Aerial photos suggest that the area within this parcel may have been used for drum storage in 1968 (R-13); the potential impact of storage at this site has not been documented -ACBM: bldg. 372 (NF) (R-15) 	
54D-HS 3.2 acres	Bldg. 379 (storage shed) Bldg. 380 (hazardous waste storage shed) Bldg. 381 (wash facility) Bldg. 382W (accumulation/collection satellite)	Disqualified	<ul style="list-style-type: none"> -Hazardous waste storage (paints, oils, thinners, antifreeze) in bldg. 379 and 380 (R-4, S-2) -Hazardous substances storage (oils, automotive products) in bldg. 382W (R-4) -Area is still used for motor pool activities (S-1) 	

Table 5.1-1 Parcel Data for CERFA Assessment at SAAD (rev. 3/7/94)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
55D-HR/HS/ PR/PS/A/L(P) 1.6 acres	Bldg. 382 (vehicle maintenance shop) Bldg. 383 (guard house)	Disqualified	-Hazardous substances storage in bldg. 382 (R-4) -Former 2,000-gallon UST (diesel) located NW of bldg. 382, Tank ID 300-17 (R-1) -Numerous spills of oil and gasoline reported east of bldg. 382; a 500-gallon and two 150-gallon spills were reported in the 1960s (R-5, R-9, R-11) -Area is still used for motor pool activities (S-1) -ACBM: bldgs. 382 (NF), 383 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 382(1946)	-UST removed -No residual contamination was measured east of bldg. 382
56D-HS/PS 2.0 acres	Bldg. 384 (former gas station)	Disqualified	-Hazardous substances storage (R-4) -Three former 12,000-gallon USTs (unleaded gasoline) located east of bldg. 384, Tank ID 300-18, -19, and -20 (R-1) -Area is still used for motor pool activities (S-1)	-USTs removed
57D-HR 3.6 acres	Area west of Parking Lot 3 and west of bldg. 412	Disqualified	-Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) extends into this parcel (R-7, I-3)	-Contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
58D-HR 2.6 acres	Parking Lot 3	Disqualified	-Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) covers entire parcel (R-7, I-3)	-Contamination GW is Remediation Site; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDATION ACTIVITY
59D-HR/HS 0.8 acre	Bldg. 412 (Hazardous Waste Container Storage Area-HWCSA)	Disqualified	-Hazardous substances/hazardous waste storage: PCBs, acids, mercury, asbestos, etc. (R-2, R-3) -RFA also provided evidence of past open hazardous substances/hazardous waste storage (site 055) in the vicinity of the bldg. (R-5, R-11) -Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) covers entire parcel (R-7, I-3)	-RCRA Closure Plan required (bldg. 412) -Contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
60D-HR 1.0 acre	Area west of bldg. 420	Disqualified	-Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) covers entire parcel (R-7, I-3)	-Contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
61D-HR/HS 0.8 acre	Bldg. 415 (hazardous materials spill control facility)	Disqualified	-Hazardous substances storage at bldg. 415 (R-2, R-3, R-4) -Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) covers western half of parcel (R-7, I-3)	-Contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
62D-HR/HS 0.7 acre	Bldg. 411 (battery acid storage tank) Area south of bldg. 415	Disqualified Qualifier	-Hazardous substances storage: 400-gallon tank for storage of battery acid (R-2, R-4) -Contaminated GW plume from Parking Lot 3 (Remediation Area No. 11) covers western portion of parcel (R-7, I-3) -ACBM: bldg. 411 (NF) (R-15)	-RCRA Closure Plan required (bldg. 411) -Contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
63D-HR/HS/A/L(P) 1.4 acres	Bldg. 413 (cyanide bldg.) Bldg. 418 (generator) Bldg. 419 (storage shed) Bldg. 420 (industrial plating shop, electrical maintenance facility) Bldg. 420W (accumulation satellite) Bldg. 427 (hazardous waste recycling facility)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage in bldgs. 413, 419, and 420W (R-2, R-3, R-4) -hazardous substances storage (paints, solvents, metals dust, thinners, blast media) associated with spray painting, sand blasting, and electroplating activities in bldg. 420 (R-2, R-3, R-4) -Chromic acid spill NE of bldg. 420, RFA site 029 (R-11) -Plating spills south of bldg. 320 (R-11) -This parcel is impacted by two contaminated GW plumes: the Parking Lot #3 plume on the western side of the parcel and the Freon 113 plume on the eastern side (R-6, R-7) -ACBM: bldg. 420 (NF) (R-15) -Probable Lead-based paint (based on date of construction); bldg. 420(1977) 	<ul style="list-style-type: none"> -Contaminated GW plumes from Parking Lot 3 and Freon 113 contamination are Remediation Sites; to be addressed under Basewide ROD (R-27) -Friable asbestos removed from bldg. 420 (I-4)
64D-HR(P)/HS 0.2 acre	Bldg. 416 (IWTP) Area south of bldg. 420	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage in bldg. 416 (R-2, R-3) -This parcel is also outside of the defined boundary of the GW contamination (R-6, I-3) as drawn on the site map; however, it is likely that the contamination may have impacted this parcel as well 	
65D-HR/HS 0.2 acre	Bldg. 426 (can crusher facility)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances handling facility: paint, solvent, thinner, petroleum, oil, lubricant cans (R-2, R-3) -Contaminated GW from the Freon 113 plume (Remediation Area No. 10) extends under entire parcel (R-6, I-3) 	<ul style="list-style-type: none"> -Freon 113-contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
66D-HR/HS(P) 0.1 acre	Area south of bldg. 426	Disqualified	<p>-There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity of other industrial activity and areas with extensive documented use and storage of hazardous substances and hazardous waste, it is likely that hazardous substances/hazardous waste may also have been used, stored, or accumulated at this site.</p> <p>-Bldgs. 411 and 426 are immediately adjacent to this parcel</p> <p>-Contaminated GW from Freon 113 plume (Remediation Area No. 10) extends under this parcel (R-6, I-3)</p>	-Freon 113-contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
67D-HR/HS(P) 1.0 acre	Area south of bldg. 423	Disqualified	<p>-There is no documented storage or release of hazardous substances in this parcel; however, due to the proximity of other industrial activity and areas with extensive documented use and storage of hazardous substances and hazardous waste, it is likely that hazardous substances/hazardous waste may also have been used, stored, or accumulated at this site. Bldgs. 420 and 426 are immediately adjacent to this parcel</p> <p>-Contaminated GW from the Freon 113 plume (Remediation Area No. 10) extends under most of parcel (R-6, I-3)</p>	-Freon 113-contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)
68D-HR/HS/AL(P) 1.2 acres	Bldg. 423 (electrical maintenance shop)	Disqualified Qualifier	<p>-Hazardous substances/hazardous waste (solvents, paints, paint dust, blast media with metals, thinners) associated with plastic media blast activities in bldg. 423 (R-2, R-3, R-4)</p> <p>-Contaminated GW from the Freon 113 plume (Remediation Area No. 10) extends under entire parcel (R-6, I-3)</p> <p>-ACBM: bldg 423 (NF) (R-15)</p> <p>-Probable Lead-based paint (based on date of construction): bldg. 423(1971)</p>	-Freon 113-contaminated GW is Remediation Site; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIAL ACTION
69D-HR/HS/A/L(P) 2.2 acres	Bldg. 439 (electrical maintenance shop)	Disqualified	-Current battery storage area; potential for hazardous substances storage in past (I-3) -Contaminated GW from the Freon 113 plume (Remediation Area No. 10) extends under western edge of parcel (R-6, I-3) -ACBM: bldg 439 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 439(1946)	-Friable asbestos removed from bldg. 439 (R-4) -Freon 113-contaminated GW is Remediation Site; to be addressed under Base-wide ROD (R-27)
70D-HS/L(P) 2.2 acres	Bldg. 424 (storage shed) Bldg. 425 (storage shed)	Disqualified	-Hazardous substances storage (batteries) observed in bldg. 425; storage of oxidizers in bldg. 424 (S-2) -These storage areas have potential for having stored hazardous substances in the past due to proximity to industrial activities and hazardous substances/hazardous waste handling areas -Probable Lead-based paint (based on date of construction): bldg. 425(1968)	
71D-HS(P) 3.8 acres	Area south of bldgs. 439 and 425	Disqualified(P)	-There is no documented storage or release of hazardous substances in this parcel; however, this area is currently used for open storage of equipment and supplies, and may have been used for storage of hazardous substances in the past. The area is in close proximity to industrial operations and areas of documented hazardous substances and hazardous waste storage and handling	
72Q-L(P) 0.2 acre	Bldg. 450 (substation/transformer)	CERFA Parcel w/Qualifier(P)	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -No evidence of storage or release of hazardous substances -Probable Lead-based paint (based on date of construction): bldg. 450(1971)	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
73Q-A/L(P) 12.6 acres	Parking Lot 4 Bldg. 393 (guard house) Bldg. 458 (storage shed) Bldg. 459 (general administration) (Bldgs. 458 and 459 have been removed)	CERFA w/Qualifier	<ul style="list-style-type: none"> -No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -No evidence of storage or release of hazardous substances -ACBM: bldgs. 393 (NF), 458 (NF), 459 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 393(1946), 458(1946), 459(1946) 	
74D-HR 1.5 acres	Bldg. 530 (former antenna facility)	Disqualified	-Southern tip of Parking Lot 3 GW plume extends under this parcel (R-7, I-3)	-Parking Lot 3 GW plume is Remediation Site; to be addressed under Basewide ROD (R-27)
75D-HR/HS/A/L(P) 7.7 acres	Bldg. 437 (storage shed) Bldg. 438 (storage shed) Area of runway	Disqualified Qualifier	<ul style="list-style-type: none"> -Current pesticide mix and waste area (R-3) -RFA identified potential hazardous substances release associated with an abandoned firefighting training area (site 006A); location was not confirmed but was thought to be at the intersection of Midway Ave. and the eastern end of the runway area (R-11) -Contamination from Parking Lot 3 impinges on this parcel; although boundary of Freon 113 contamination, as defined, does not extend that far south, it may impact this parcel(R-6,R-7,I-3) -Open storage, with unknown restrictions in the past on types of materials stored; potential for storage and release of hazardous substances -ACBM: bldgs. 437 (NF), 438 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 437(1946), 438(1946) 	-Parking Lot 3 GW and Freon 113 contamination are Remediation Sites; to be addressed under Basewide ROD (R-27)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
76D-HS(P)/PS/A/L(P) 10.0 acres	Bldg. 452 (electrical maintenance shop) Bldg. 460 (public toilet) Bldg. 480 (loading docks) Laydown area	Disqualified	<ul style="list-style-type: none"> -Three aboveground fuel tanks of approximately 150 gallons outside of bldg. 452 (S-3) -This area operated as a primary storage and loading area for the Depot; materials, including hazardous substances (portable fuel tanks, generators, electronic equipment containing hazardous substances, etc.) are currently stored in this area and the area was shown to be a primary storage area in historic photographs (S-3, R-14) -ACBM: bldgs. 452 (NF), 460 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldg. 452(1953), 460(1946) 	
77D-HS/L(P) 1.9 acres	Bldg. 557 (storage shed) Bldg. 558 (storage shed)	Disqualified	<ul style="list-style-type: none"> -Hazardous substances storage (flammable materials, solvents, lube oils, etc.) in bldg. 558 (R-2, R-3, R-4); similar storage may have occurred in the past in bldg. 557 -Probable Lead-based paint (based on date of construction): bldg. 557(1968) 	
78D-HR 3.5 acres	Area north of Oxidation Lagoons	Disqualified	<ul style="list-style-type: none"> -Former sewage outfall location (abandoned in late 1960s) is within this parcel, RFA site 033; this represents a potential release of hazardous substances; since then Old Morrison Creek was widened, deepened, and paved in this area (R-11) -Possible shallow lagoons were identified as site 014B in RFA; soil gas survey showed some VOC contamination (R-23) -Potential for soil contamination due to overflow of Oxidation Lagoon and drainage ditches during periods of flooding (R-9) -Potential for extension of Parking Lot #3 and Freon 113 GW contamination plumes from under this parcel, particularly before remedial investigation was begun -Potential also exists for extension of TCE plume from Burn Pits area (R-18) 	

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
79D-HR(P)/PS 1.5 acres	Bldg. 532 (test probe facility)	Disqualified	<ul style="list-style-type: none"> -Two 400-gallon aboveground tanks (diesel) for generators at test probe facility (I-1) -Potential for soil contamination due to overflow of Oxidation Lagoons and drainage ditches during periods of flooding (R-9) -Potential for extension of Parking Lot #3 and Freon 113 GW contamination plumes from under this parcel, particularly before remedial investigation was begun 	
80D-HR 12.1 acres	Oxidation Lagoons and drainage ditches	Disqualified	<ul style="list-style-type: none"> -This parcel includes the area of the Oxidation Lagoons and drainage ditches and includes metals-contaminated soil; the site is Remediation Area No. 1; VOC contamination was also measured at RFA site 016B (R-21, R-23) -GW contamination (TCE) from the Burn Pits site (Remediation Area No. 2) also extended under this parcel (R-18) -Possible shallow lagoons were identified as site 014B in RFA; soil gas survey showed some VOC contamination (R-23) -Potential exists for soil contamination in the northern portion of this parcel due to overflow of Old Morrison Creek and Oxidation Lagoons and drainage ditches during periods of flooding (R-9, R-11) 	<ul style="list-style-type: none"> -This site is an Active Remediation Site -GW Remediation under South Post GW contamination ROD

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
81D-HR 19.8 acres	Area east of Oxidation Lagoons, not including battery disposal well (Parcel 82)	Disqualified	<p>-GW contamination (TCE) from the Burn Pits site (Remediation Area No. 2) extended under the SW corner of this parcel (R-18)</p> <p>-Firefighting Training Area was located in the northern portion of this parcel. Reported practices suggested the release of hazardous substances to the environment; field investigation showed limited residual contamination and remediation was not required. (R-5, R-11)</p> <p>-Potential exists for soil contamination in this parcel due to overflow of Old Morrison Creek during periods of flooding (R-9)</p> <p>-Area of trenches, identified as RFA Site 010B, appeared to be a disposal site and investigation exhibited low levels of phthalates; site required no remediation but actual disposal of hazardous substances was not finally resolved (R-5, R-11)</p>	-GW Remediation under South Post GW contamination ROD
82D-HR 1.9 acres	Battery disposal well	Disqualified	-Hazardous substances disposal area, disposal of batteries and battery fluids in abandoned well (Remediation Area No. 7); limited soil contamination (metals) observed (R-5, R-9, R-11)	-Remediation Site (completed)
83D-HR/HS 0.2 acre	GW treatment plant	Disqualified	-Site of GW treatment plant for South Post GW contamination (Remediation Area No. 4) (R-19)	-Site of GW Remediation
84D-HR/HS/L(P) 0.5 acre	Bldg. 601 (auto hobby shop) Bldg. 602 (wash facility)	Disqualified Qualifier(P)	<p>-Hazardous substances storage (petroleum products, metal dust, solvents) in bldg. 601 (R-2, R-3, R-4)</p> <p>-SW corner of parcel may be impacted by the TCE-contaminated GW plume (R-19, I-3)</p> <p>-Probable Lead-based paint (based on date of construction): bldgs. 601(1963), 602(1962)</p>	-GW Remediation under South Post GW contamination ROD

P PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDATION ACTIVITY
85D-HS/A/L(P)/RD 4.6 acres	Bldg. 552 (accumulation shed) Bldg. 553 (general purpose warehouse) Bldg. 555 (electro-optics facility) Bldg. 555-E (accumulation/collection satellite)	Disqualified	-Hazardous substances storage (radioactive materials, paints, thinners, solvents) in bldg. 555 (R-2, R-4) -Hazardous substances storage (solvents, thinners) in bldg. 552 at NE corner of bldg. 555 (R-2, S-1) -Hazardous substances/hazardous waste accumulation (waste paint, primer, battery acid, epoxy, freon, solvents) at bldg. 553 (temporary sheds) located to the SE of bldg. 555 (R-3, S-1) -ACBM: bldg. 555 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 553(1947), 555(1953) -Equipment containing radiological sources packed or stored in bldg. 555 (R-29)	-Friable asbestos removed from bldg. 555 (I-4)
86D-HR 3.5 acres	Contractor spoils area	Disqualified	-The area is under investigation for hazardous substances disposal/release. This area appears to have been used for building/construction debris (concrete, wood, asphalt, plaster, plastic sheeting, tile, etc.) disposal (R-5, R-11, R-19, S-3)	-Remediation Site; to be addressed under Base-wide ROD (R-27)
87D-HR 24.1 acres	Area south of bldg. 555 and contractor spoils area, extending to eastern boundary of SAAD	CERFA Parcel	-This parcel was defined as a disposal area based on aerial photos showing excavation and trenching during the 1960s (R-13, R-14) and was identified as site 011B in the RFA.	
88D-HR 7.0 acres	Bum Pits (South Post)	Disqualified	-Soil contamination (VOCs, SVOCs, metals, PCBs, dioxins, furans) within and around the two Bum Pits (Remediation Area No. 2) (R-20) -Contaminated GW plume from South Post GW contamination (Bum Pits) under entire parcel (R-19, I-3)	-South Post Bum Pits is Remediation Site -GW Remediation under South Post GW contamination ROD
89D-HR 5.9 acres	Area east of Bum Pits	Disqualified	-TCE-contaminated GW plume from South Post GW contamination under entire parcel (R-19, I-3)	-GW remediation under South Post GW contamination ROD

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMIEDIATION ACTIVITY
90D-HR/A/L(P) 1.4 acres	Bldg. 600 (Commander's residence) Bldg. 603 (facility house) Bldg. 604 (garage)	Disqualified Qualifier	-TCE-contaminated GW plume from South Post GW contamination under this parcel (R-19, I-3) -ACBM: Bldgs. 600 (NF), 603 (F/NF), 604 (F/NF) (R-15) -Probable Lead-based paint (based on date of construction): Bldg. 600(1972), 603(1925), 604(1925)	-GW Remediation under the South Post GW contamination ROD -Friable asbestos removed from bldg. 600 (I-4)
91E 20.5 acres	Parcel located in the SW corner of the SAAD	Excluded	-Parcel to be transferred to the U.S. Naval and Marine Corps Reserves -Parcel not included in CERFA assessment	
92P 0.5 acre	Area east of bldg. 681, east of excluded area	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties	
93P 0.5 acre	Area east of bldg. 674 (swimming pool), east of excluded area	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties	
94Q-A/L(P) 1.3 acres	Bldg. 672 (morale support facility)	CERFA w/Qualifier	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -ACBM: Bldg. 672 (NF) (R-15) -Probable Lead-based paint (based on date of construction): Bldg. 672(1945)	-Friable asbestos removed from bldg. 672 (I-4)
95Q-A/L(P) 0.5 acre	Bldg. 666 (general instruction bldg.) Bldg. 668 (general instruction bldg.) Bldg. 670 (physical fitness center)	CERFA w/Qualifier	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties -ACBM: Bldgs. 666 (NF), 668 (NF), and 670 (NF) (R-15) -Probable Lead-based paint (based on date of construction): bldgs. 666(1945), 668(1945),	and 670(1945)

PARCEL NUMBER ^{1,3}	LOCATION	CATEGORY	BASIS ²	REMEDIATION ACTIVITY
96P 15.7 acres	Area south of Kwajalein St., north of Okinawa St. and the AAFES gas station, east of bldgs. 662 and 672, and extending to Florin Perkins Rd.	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties	
97P 0.6 acre	Parking Lot #9, north of AAFES gas station	CERFA Parcel	-No evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; no evidence of environmental impact from adjacent properties	
98D-HS/PS 1.2 acres	Bldg. 699 (AAFES gas station)	Disqualified	-Three active 8,000-gallon UST's (unleaded gasoline) located just north of bldg. 699, Tank ID 600-4, 600-5, and 600-6 (R-1, R-17) -Former 285-gallon UST (waste oil) located at bldg. 699, Tank ID 600-3 (R-1)	-Waste oil UST has been removed
99E	Parcel located in the SE corner of the SAAD	Excluded	-Parcel to be transferred to the California National Guard -Parcel not included in CERFA assessment	
100E	Parcel located along the Central portion of the southern boundary of SAAD	Excluded	-Parcel to be transferred to the U.S. Army Reserves -Parcel not included in CERFA assessment	

Key:

1. Parcel Codes

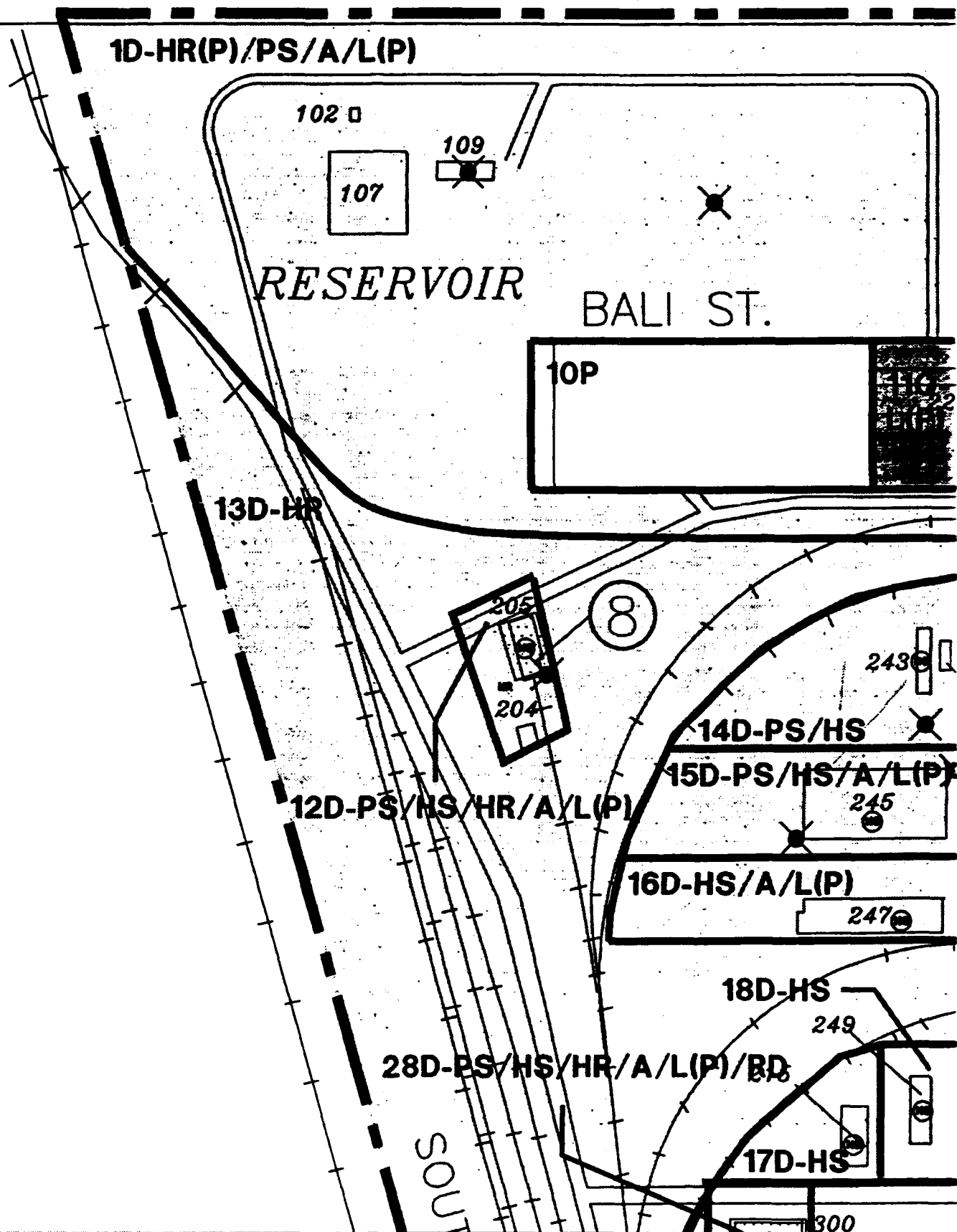
P: CERFA Parcel
D: Disqualified Parcel
HR: Release or Disposal of Hazardous Substances
HS: Storage of Hazardous Substances
PR: Release or Disposal of Petroleum Products or Derivatives
PS: Storage of Petroleum Products or Derivatives
A: Asbestos-Containing Building Materials
L: Lead-Based Paint
RD: Radionuclides
(P): Probable

2. Basis Codes

ACBM: Asbestos-Containing Building Materials
F: Friable Asbestos
NF: Non-Friable Asbestos
UST: Underground Storage Tank
GW: Groundwater

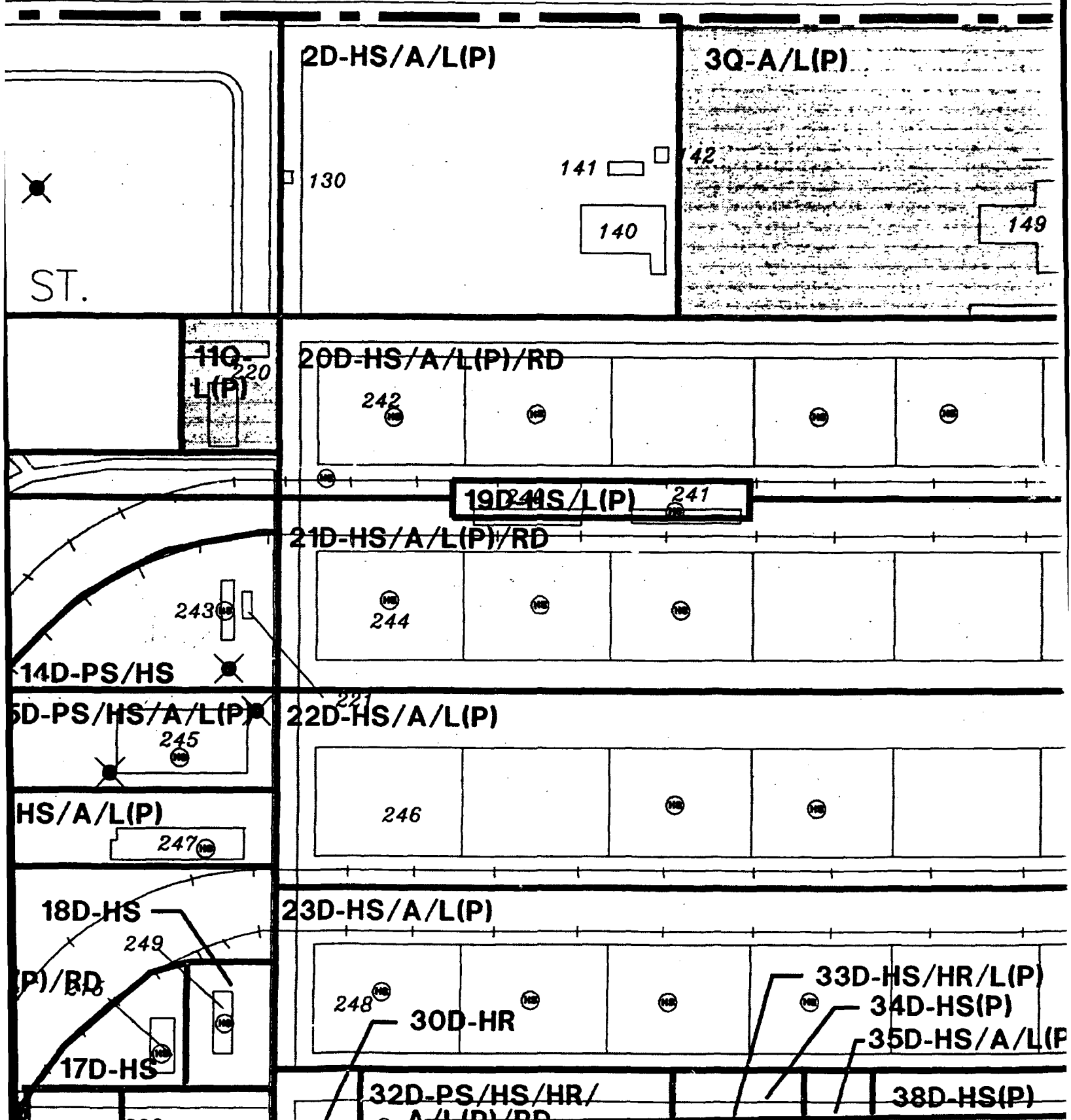
3. Acreage estimates were taken from BRAC Closure Plan (R-27).

(2)



3

FRUITRIDGE ROAD



4

ROAD

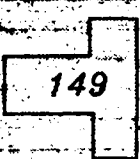
(P)

4D-HS/A/L(P)

5D-PS/
A/L(P)

7P

8



150



16



153

6D-PS/
HS/A/
L(P)

CORREGIDOR

24D-HS/A/L(P)/RD

251

25D-HS/A/L(P)

253

26D-HS/HR/A/L(P)/RD

255

27D-HS/A/L(P)/RD

256

33D-HS/HR/L(P)

34D-HS(P)

35D-HS/A/L(P)

40D-PS/HS/A/L(P)

257

42D-PS/HS/A

47D-HS/L(P)

MINDANAO

38D-HS(P)

46D-

52D-HS(P)/

5

8D-PS/HS/A/L(P)

180

9D-HS/A/L(P)

181

REGIDOR

ST.

180

180

180

180

180

180

180

180

180

180

256

47D-HS/L(P)

257SE

MINDANAO ST.

55D-PS/PR/HS/
HR/A/L(P)

52D-HS/PR/

54D-HS/

6

LEGEND



DISQUALIFIED AREA



QUALIFIED AREA



EXCLUDED AREA



CERFA PARCEL

558

FACILITY NUMBER



SAAD PROPERTY BOUNDARY



PETROLEUM STORAGE



PROBABLE PETROLEUM STORAGE



HAZARDOUS SUBSTANCES STORAGE

HS

PROBABLE HAZARDOUS SUBSTANCES STORAGE



HAZARDOUS SUBSTANCES RELEASE/DISPOSAL

HR

PROBABLE HAZARDOUS SUBSTANCES RELEASE/DISPOSAL

7



20

19

18

17

16

15

14

13

12

11

**TCE-PARKING LO
GROUND WATER**

**FREON
CONTA**

26D-HS/HR/A/L(P)/RD

10

255

27D-HS/A/L(P)/RD

256

D-HS/HR/L(P)
- 34D-HS(P)
- 35D-HS/A/L(P)

40D-PS/HS/A/L(P)

257

42D-PS/HS/A

47D-HS/L(P)

MINDANAG

38D-HS(P)

39D-PS/HS(P)/A/L(P)

37D-HS/A/L(P)

348

46D-HS

43D-HS/PS/A/L(P)

355

45D-HS

370

52D-HS(P)/HR(P)

51D-HS/HR

53D-HS(P)/A

6

70D-HS/L(P)

424

44D-HS(P)

41D-HS(P)/A/L(P)

72D-HS(P)

48D-HS/HR/A

49D-HS/HR/A

50D-HS/L(P)

73D-A/L(P)

452

76D-PS/HS(P)/A/L(P)

77D-HS/L(P)

557

558

82D-HR

7

85D-HS/A/L(P)

555

86D-HR

9

87D-HR

VAY AV.

11

256

HS/L(P)

257SE

MINDANAO ST.

55D-PS/PR/HS/
HR/A/L(P)

D-HS(P)/
(P)

54D-HS

51D-HS/HR

382
383

53D-HS(P)/A

6

382W

384

56D-PS/HS

48D-HS/HR/A/L(P)

49D-HS/HR/A

50D-HS/HR/A

480

558

CREEK

(12)

SAAD PROPERTY BOUNDARY



PETROLEUM STORAGE



PROBABLE PETROLEUM STORAGE



HAZARDOUS SUBSTANCES STORAGE

HS

PROBABLE HAZARDOUS SUBSTANCES STORAGE



HAZARDOUS SUBSTANCES RELEASE/DISPOSAL

HR

PROBABLE HAZARDOUS SUBSTANCES RELEASE/DISPOSAL



REMEDIAL AREA ①--⑪



CONTAMINATED GROUND WATER PLUME

REMEDIAL ACTION AREAS:

- ① OXIDATION LAGOONS AND DRAINAGE DITCHES
- ② BURN PITS
- ③ TANK #2
- ④ GROUNDWATER TREATMENT PLANT--BLDG.606
- ⑤ OLD BURN PITS (BUILDING 300)
- ⑥ PESTICIDE MIX AREA
- ⑦ BATTERY DISPOSAL WELL
- ⑧ LOCOMOTIVE REPAIR BLDG.205
- ⑨ CONTRACTOR SPOILS AREA
- ⑩ FREON 113
- ⑪ PARKING LOT 3

PARCEL LABEL DEFINITIONS

14D-PS

13

**FREON 113 GROUND WATER
CONTAMINATION**

**TCE-SOUTH POST GROUND
CONTAMINATION (5 ppb)**

12
11
10
9
8
7
6
5
4
3

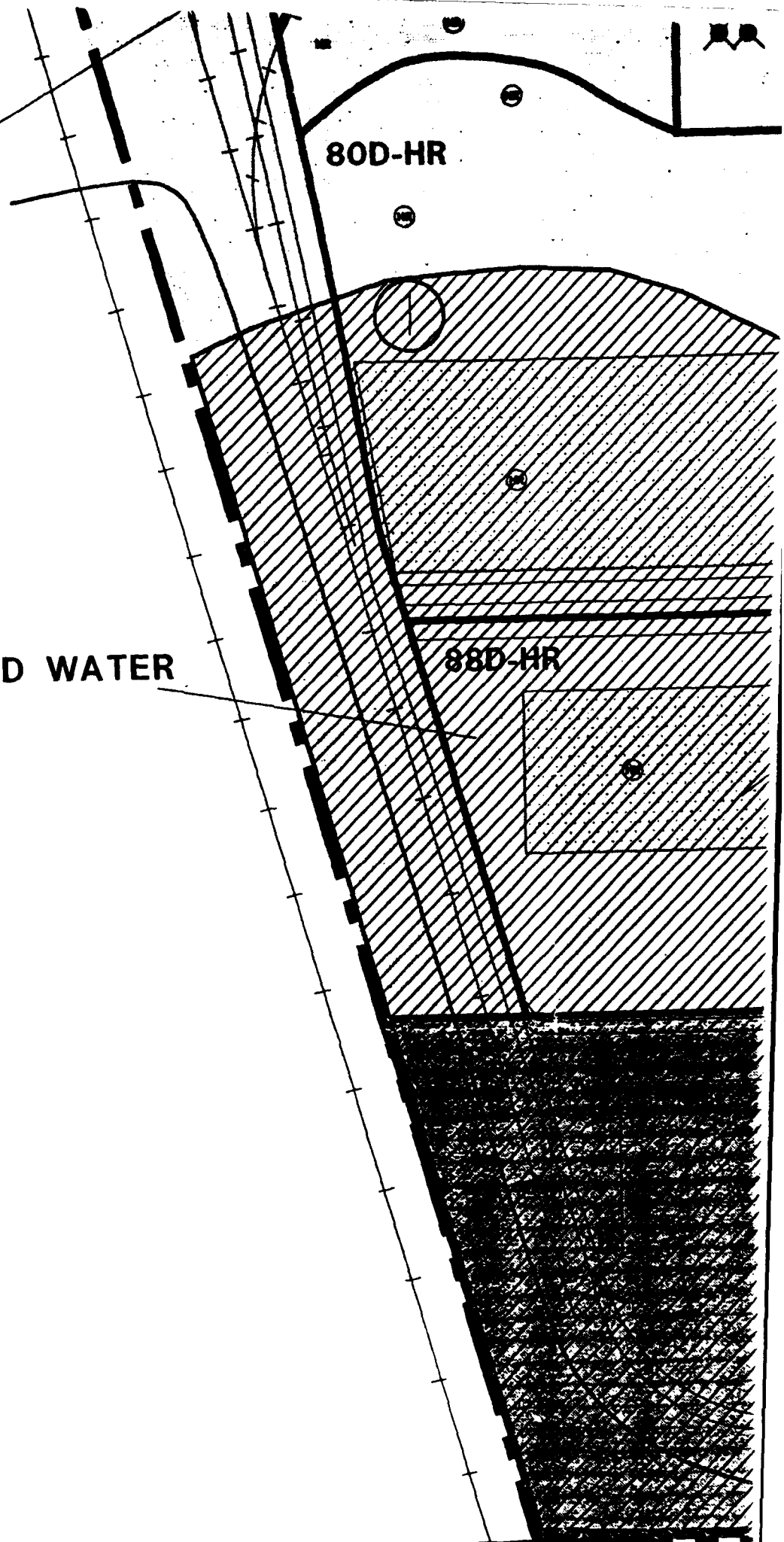
74

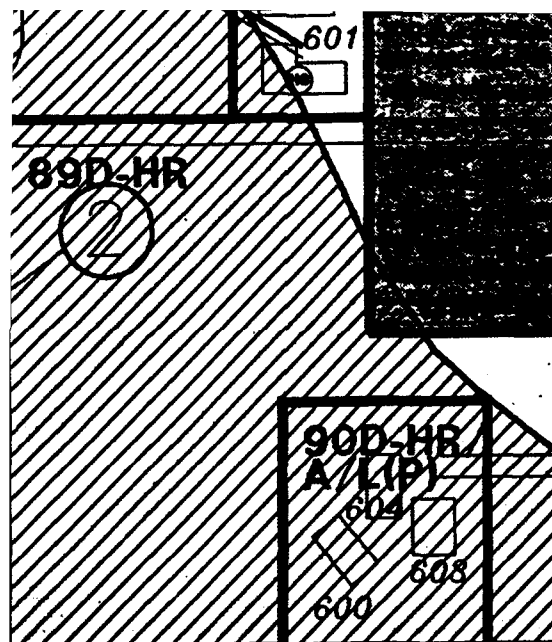
GROUND WATER
ATION

80D-HR

SOUTH POST GROUND WATER
TAMINATION (5 ppb)

88D-HR





MIDWAY AV.

87D-HR

16

KWAJALEIN ST.

96P

92P

93P

95Q-A/L(P)

94Q-A/L(P)

699

OKINAWA ST.

98

(17)

PA

14D-F

JALEIN ST.

MORRISON CREEK

FLORIN PERKINS ROAD

/L(P)

/L(P)

WA ST.

699

97P

98D-PS/HS



0

SOURCE:
EBASCO, INC. BASED ON E

118

PARCEL LABEL DEFINITIONS

14D-PS

A = ASBESTOS
L = LEAD PAINT
P = PCBs
R = RADON
X = UXO
RD = RADIONUCLIDES
PS = PETROLEUM STORAGE
PR = PETROLEUM RELEASE/DISPOSAL
HS = HAZARDOUS SUBSTANCES STORAGE
HR = HAZARDOUS SUBSTANCES RELEASE/DISPOSAL
(P) = POSSIBLE QUALIFIER

P = CERFA PARCEL
Q = CERFA QUALIFIED PARCEL
D = CERFA DISQUALIFIED PARCEL
E = CERFA EXCLUDED PARCEL

PARCEL NUMBER

SCALE



1000 (ft)



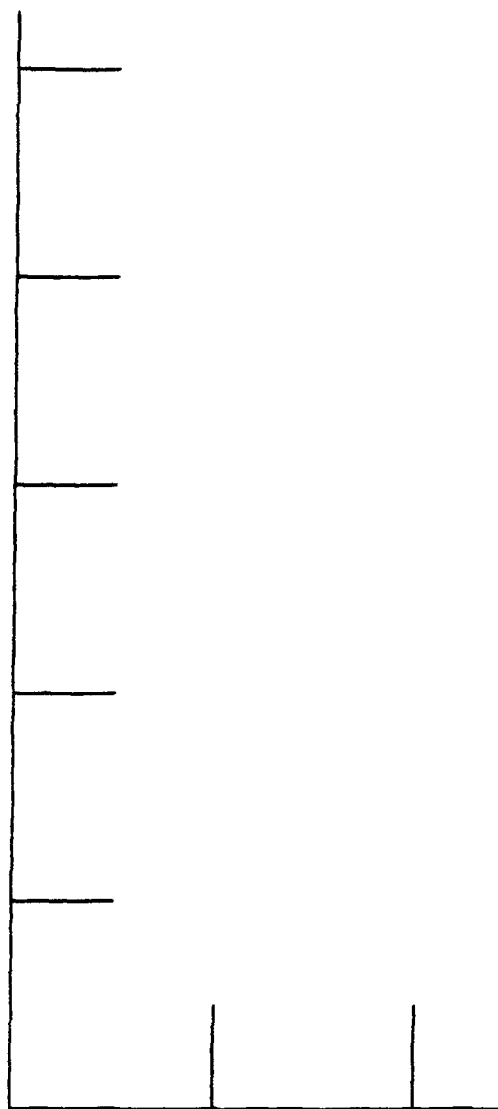
5

4

3

2

1

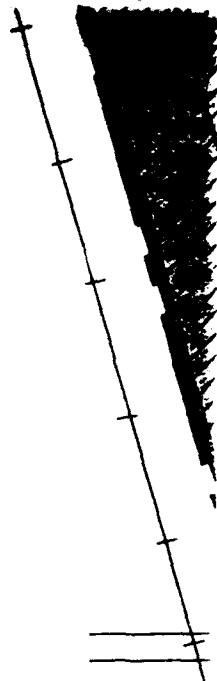


1

2

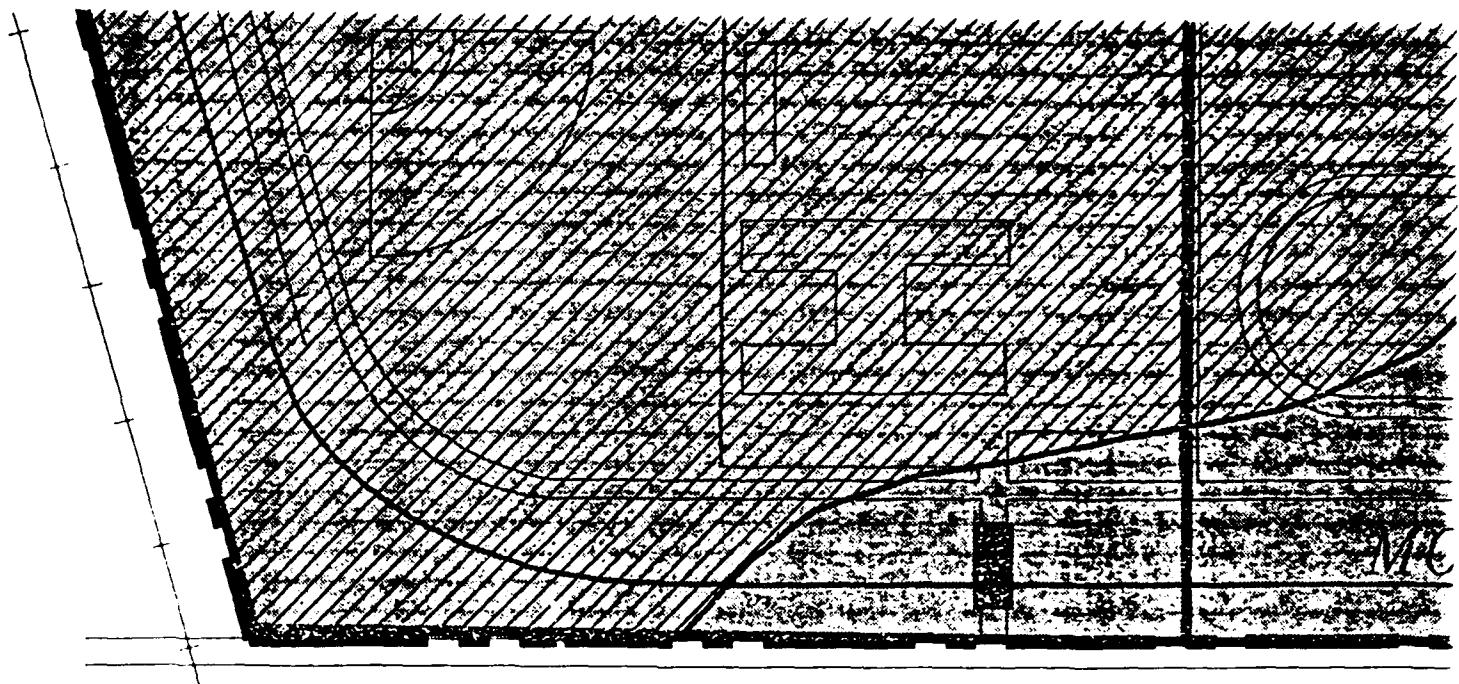
3

19



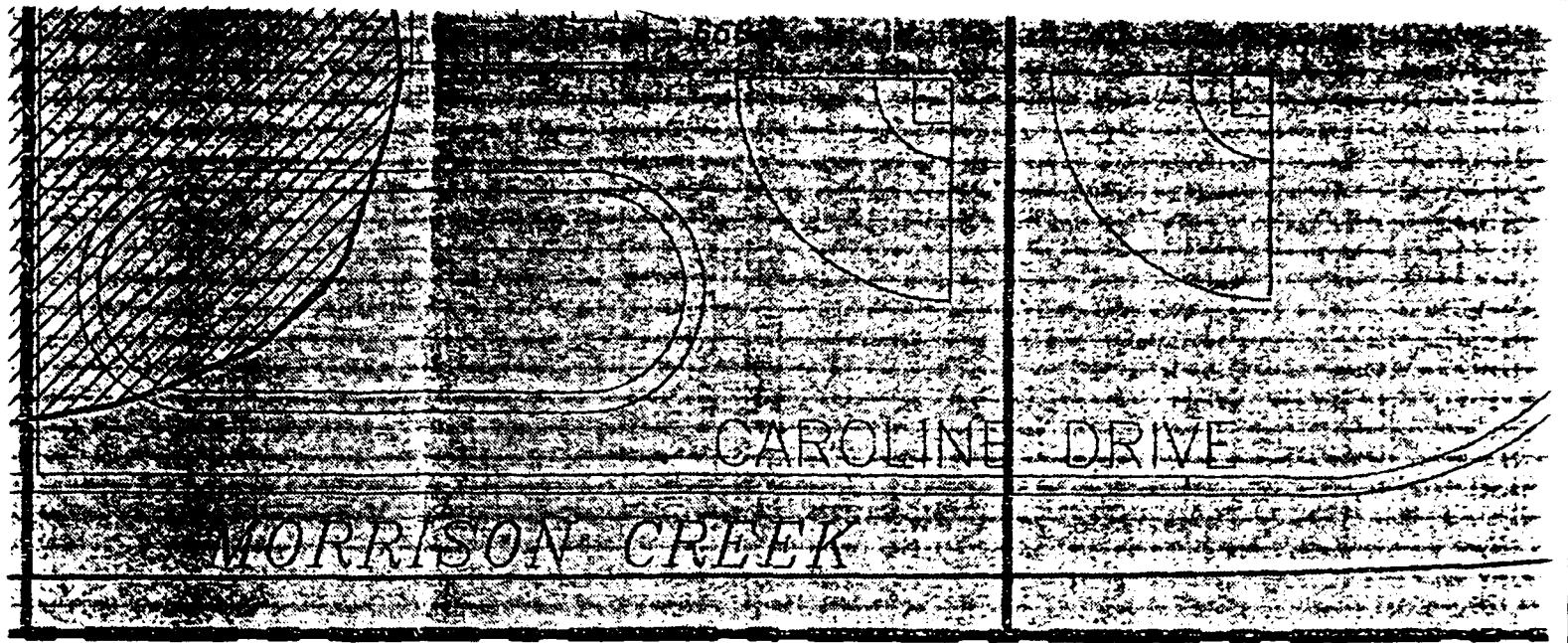
2 3 4 5 6 7 8 9

20



EL

8 9 10 11 12 13 14 15

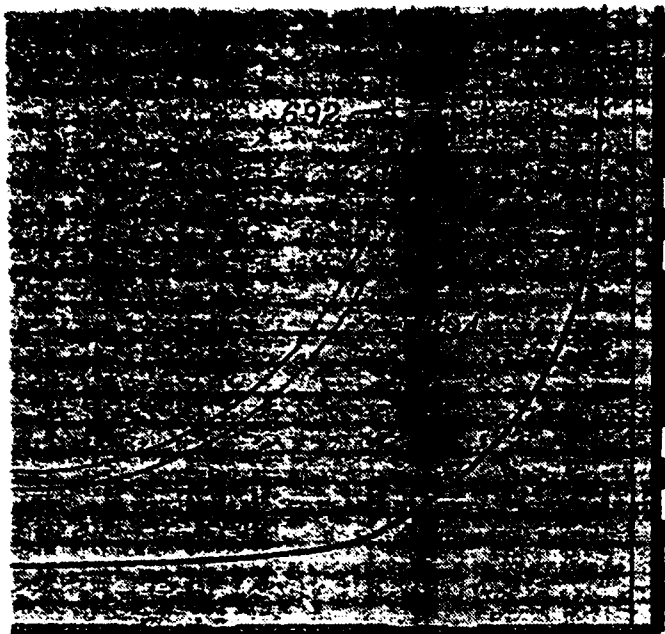


ELDER CREEK ROAD



4 15 16 17 18 19 20 21





U

SOURCE:
EBASCO, INC. BASED ON



21 22 23 24 25

23

3. BASED ON BLACK & VEATCH - SAAD/SITE PLAN - APRIL 1991.

FIGURE 5-1
SACRAMENTO ARMY DEPOT
SACRAMENTO, CALIFORNIA
CERFA PARCEL DESIGNATIONS

Prepared For:

USAEC

Scale:

AS SHOWN

Drawing No:

67070-004

Date:

APR. 1994

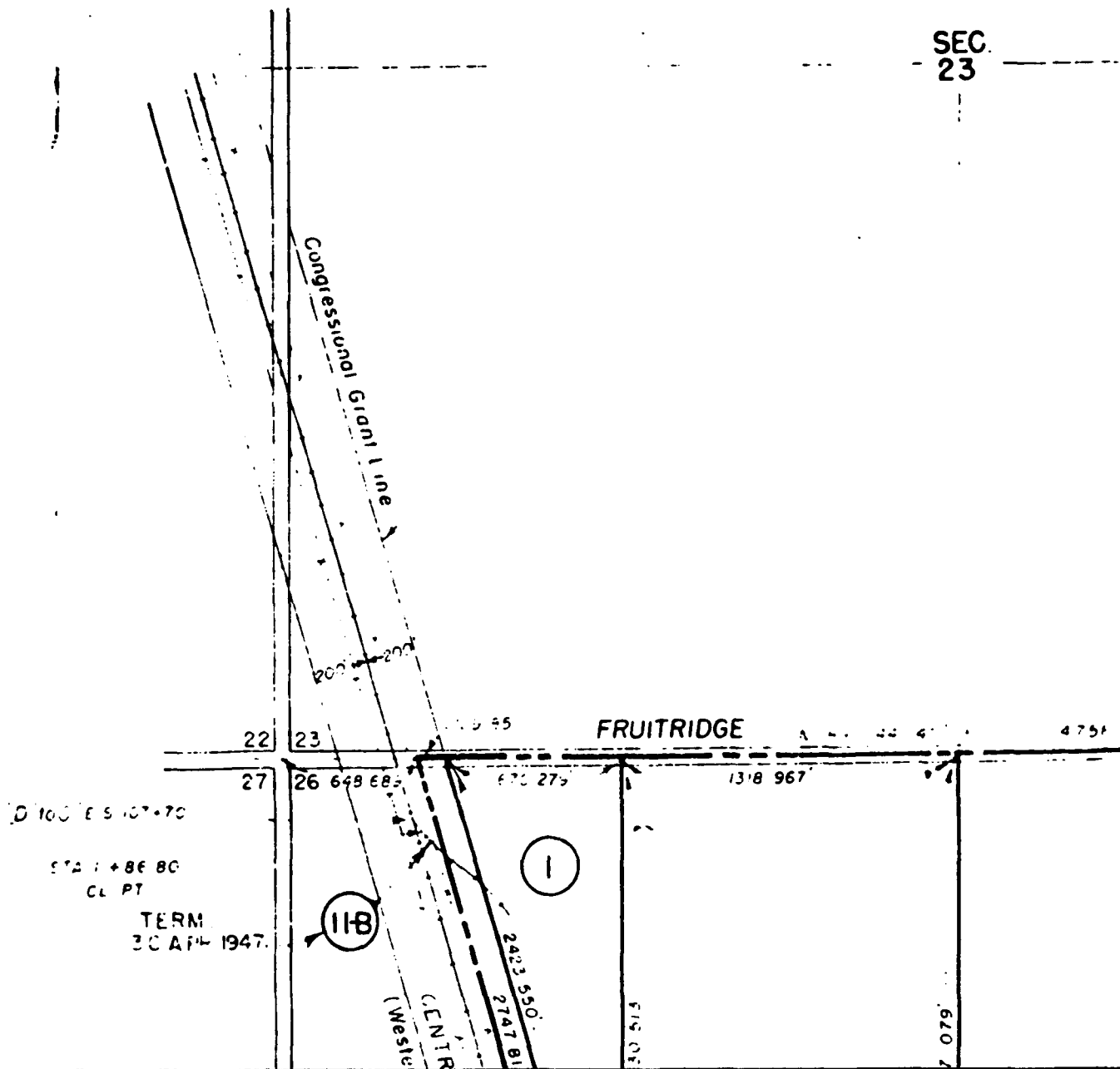
Arthur D Little
Cambridge, Massachusetts

24

①

Copy available to DTIC Area and
permit fully legible reproduction

SEC
23



2

SEC.
23

ROAD

ROAD

3

57

079

26

25

23

24

4756 031

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(3)

ACQUISITION TRACT REG

TRACT NO.	LAND OWNER	ACREAGE		
		FEE	LEASE	LESSER INTERESTS
1	ROBERT BLAKE	17.93		
2	MARIO BIANCHINI and DINA BIANCHINI	79.80		
3	DANIEL CECCHETTINI	80.00		
4	NELSON E. DEAN Jr and HELEN J. DEAN	80.00		
5	DON E. GOULDIN and MARGARET E. GOULDIN	40.00		
6	C. CHRISTOPHEL	80.00		
7	DE VERE C. SWAYZE and HELEN SWAYZE	51.72		
8	WILLIAM E. BOOTH and VIVIEN M. BOOTH	20.00		
9	JAMES PASSALIS	20.00		
10	CENTRAL PACIFIC RAILWAY COMPANY	15.77		
11-A	CENTRAL PACIFIC RAILWAY COMPANY and SOUTHERN PACIFIC COMPANY			NO AREA
11-B	CENTRAL PACIFIC RAILWAY COMPANY and SOUTHERN PACIFIC COMPANY			NO AREA
12	BRUCE CAMP		2.78	
13	CHRIS CHRISTOPHEL		2.17	
14	ELDER CREEK SCHOOL DISTRICT		0.505	
15	C. LAMPHERE and OLA LAMPHERE		0.596	
16	HERBERT E. WILKINSON and ABBIE C. WILKINSON		1.74	
17-A	BEN ROBERTSON and ANNIE M. ROBERTSON		0.663	
17-B	BEN ROBERTSON and ANNIE M. ROBERTSON		0.247	
18	LE ROY ALLEN and FANNIE ALLEN		0.183	
19	ARTHUR ARAKI and MARGERY H. ARAKI		0.697	
20	CHARLES C. RIGG and RAE M. RIGG		0.776	

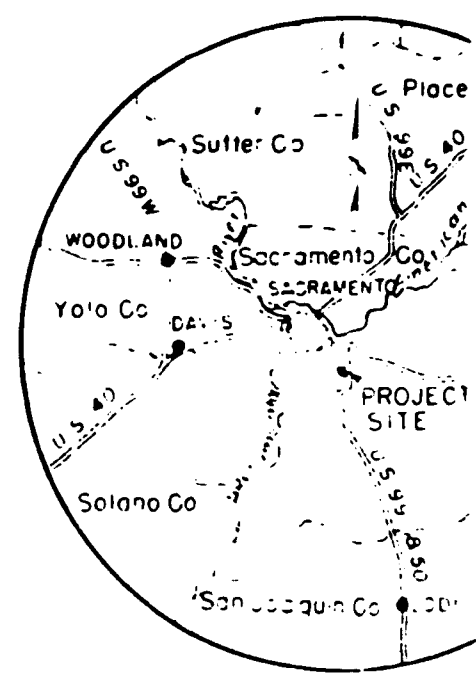
(4)

TRACT REGISTER

ACREAGE		REMARKS
LEASE	LESSER INTERESTS	
		Direct Purchase
		Direct Purchase
		Direct Purchase
		Declaration of Taking
		Direct Purchase
		Declaration of Taking
		Direct Purchase
		Direct Purchase
		Direct Purchase
		Declaration of Taking Includes Areas Formerly shown in D/T as Trs 10-A, 10-B and 10-C
	NO AREA	License Dated 26th Jan 1946 For Spur Track Right of Way
	NO AREA	License Dated 26th Jan 46 For Construction of Spur Track, Formerly Included as portion of Tract 11-A
2.78		Lease W-04-193-Eng-6749
2.17		Lease W-04-93-Eng-6750
0.505		Lease W-04-193-Eng-6751
0.596		Lease W-04-193-Eng-6752
1.74		Lease W-04-193-Eng-6753
0.663		Lease W-04-193-Eng-6754
0.247		Lease W-04-193-Eng-6754
0.183		Lease W-04-193-Eng-6755
0.697		Lease W-04-193-Eng-6756
0.776		Lease W-04-193-Eng-6757



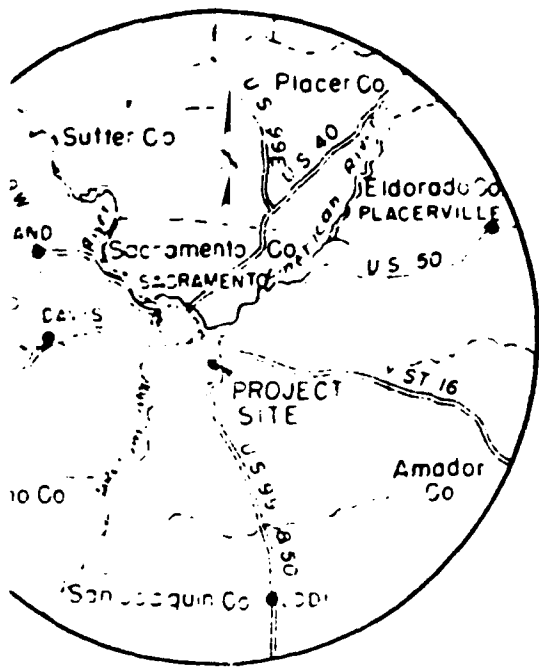
STATE INDE



65



STATE INDEX



TYPE: FINAL

PROJECT OWNERSHIP MAP

STATE CALIFORNIA
COUNTY SACRAMENTO
DIVISION SOUTH PACIFIC
DISTRICT SACRAMENTO
SIXTH ARMY AREA

LOCATION OF PROJECT

8 MILES SE OF SACRAMENTO
MILES OF

TRANSPORTATION FACILITIES

RAILROADS SOUTHERN PACIFIC
STATE ROADS 16
FEDERAL ROADS U.S. 40
AIRLINES

ACQUISITION

TOTAL ACRES ACQUIRED 517.734
ACRES FEE 485.220
ACRES TRANSFER TO WAR DEPT.
ACRES LEASED TO WAR DEPT. 31.724
ACRES LESSER INTERESTS: 1-PERMIT C 266
1-EASEMENT C 524
2-LICENSES NO AREA
Total C 790



DISPOSAL

TOTAL ACRES DISPOSED OF 32.514
ACRES SOLD BY WAR DEPT.
ACRES TRANSFERRED BY WAR DEPT.
ACRES RETRANSE'D TO GOVT. AGCY

6

30 APR 1947.

ROAD

BRIGHTON - FLORIN

8423 550.
2747 818
CENTRAL PACIFIC RAILWAY CO RIGHT OF WAY
(Western Boundary) N 15° 58' 20" W 5495 636 (TOTAL)

Drainage Ditch
See Sheet 2

TERM
30 APR 1947

5741+86.30
CL PT

"A" 10 P E S 47+80

Center Line of
S P Co's 100' R/W
for Tracks
25' R/R Reserved

2

10

7

SEC.
26

← To U S 99

27

26

ELDER CREEK

34

35

2171 402

300

47° E 28'

400'

100'



0.524 ACRES CONVEYED TO CENTRAL PACIFIC RAILWAY CO. BY QUIT-CLAIM

(8)

18	LE ROY ALLEN and FANNIE ALLEN	0 183	Le
19	ARTHUR ARAKI and MARGERY H ARAKI	0 697	Le
20	CHARLES C RIGG and RAE M RIGG	0 776	Le
21	GIULIO COSTA	0 757	Le
22	CLARA M BERRIESFORD	0 757	Le
23	ALBERT LAZZARINI	1 17	Le
24	S B HYATT and EDNA HYATT	0 918	Le
25	CHARLES E HAMMOND and MINNIE M HAMMOND	0 752	Le
26	ROBEANIE M BIBB	0 872	Le
27	ANTONE DIAS and WINIFRED DIAS	2 8	Le
28	STATE OF CALIFORNIA (Land Division) et al	1 45	Le
29	ORIN W WARING and VIRGINIA M WARING	0 010	Le
30	ANNA CHINGO	1 81	Le
31	COUNTY OF SACRAMENTO	0 826	Le
32	Estate of JOSEPH LECHNER, Deceased, WILLIAM F CROSBY, Administrator	0 725	Le
33	JOHN WARING and LAURA WARING	0 339	Le
34	RICHARD R YOE and RUTH G YOE	2 39	Le
35	WILLIAM H STEPP and BEULAH STEPP	0 022	Le
36	STATE OF CALIFORNIA (Highway Division)	0 266	Le
37	MORRIS OFFER	0 174	Le
38	LELAND L ROGERS and ANNIE F ROGERS	1 36	Le
39	DORA WIRE	5 37	Le
40	CENTRAL PACIFIC RAILWAY COMPANY and SOUTHERN PACIFIC COMPANY	0 524	Le
41	MINORU FUJII	0 185	Le

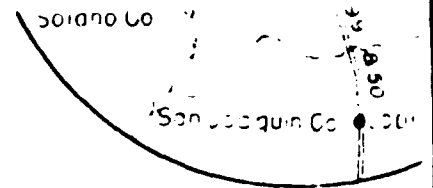
E., M.D.B.M.

OUTSTANDING RIGHTS

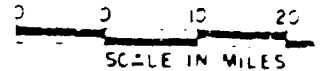
ROADS: Rights of public roads to public highways or roads lying within the areas of Tracts

0183	Lease W- 04-193-Eng-6755
0697	Lease W- 04-193-Eng-6756
0776	Lease W- 04-193-Eng-6757
0757	Lease W- 04-193-Eng-6758
0757	Lease W- 04-193-Eng-6759
117	Lease W- 04-193-Eng-6760
0918	Lease W- 04-193-Eng-6761
0752	Lease W- 04-193-Eng-6762
0872	Lease W- 04-193-Eng-6763
28	Lease W- 04-193-Eng-6764
145	Leasehold interest by condemnation
0010	Lease W- 04-193-Eng-6766
181	Leasehold interest by condemnation
0826	Lease W- 04-193-Eng-6768
0725	Lease W- 04-193-Eng-6769
0339	Lease W- 04-193-Eng-6770
239	Lease W- 04-193-Eng-6771
0022	Lease W- 04-193-Eng-6772
0266	Encroachment Permit No A-35386 Dated 8th Nov 1945, For Drainage Ditch Right of Way
174	Lease W- 04-193-Eng-6774
36	Lease W- 04-193-Eng-6775
37	Lease W- 04-193-Eng-6776
0524	Easement Dated 8th March 46 For Drainage Ditch Right of Way, Formerly known as Tract No 11
185	Lease W- 04-193-Eng-6777

9



VICINITY MAP



ACQUISITION AUTHORITY

RE-D 4380 Dated 15th
*RE-D 4380-A (Gen)
Dated 2nd

*RE-D 4380-A (Gen) Date
1946 deletes 3.15 Acres

REVISION	DATE	DESCRIPTION
	6 Oct 1948	Due to F
	Nov 1956	Deletion of
	24 Apr 1956	Conveyance

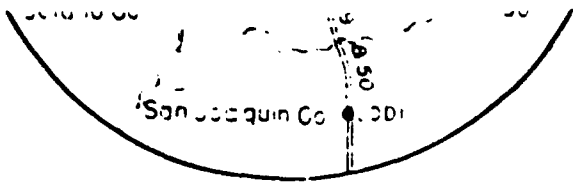
CORP
OFF
SC

EXAMINED BY: T. J.
TRACED BY: J. E. K.
CHECKED BY:
SUBMITTED BY:
Chief, CADASTRAL SEC.
RECOMMENDED BY:

GE [Signature]

S.

APPROVAL



VICINITY MAP



TOTAL ACRES DISPOSED OF	
ACRES SOLD BY WAR DEPT.	-----
ACRES TRANSF'D BY WAR DEPT.	-----
ACRES RETRANSF'D TO GOVT. AGCY.	-----
ACRES LEASES TERMINATED	31.724
ACRES LESSER INT'S TERM (2) LICENSES NO AREA	
(1) EAS'T.	0.524
(1) PERMIT	0.266
Total	0.790

10

ACQUISITION AUTHORIZATION

RE-D 4380 Dated 15th May 1945
*RE-D 4380-A (Gen.)
Dated 2nd Jan 1946

*RE-D 4380-A (Gen.) Dated 2nd Jan 1946
deletes 3.15 Acres

LEGEND

NOTE: USE SYMBOLS FROM FM-21-30 (WAR DEPT. BASIC FIELD MANUAL) PAGES 21 TO 27 INCL. EXCEPT

RESERVATION LINE	-----
PRESERVATION LINE (Actual Survey)	-----
DAM SITE (Taking Line)	----- D -----
RESERVOIR SITE (Taking Line)	----- R -----
CONTOUR LINES	----- 470 -----
AVIGATION EASEMENTS	-----
TRACT NUMBER	99

REVISION	DATE	BY
5 Jan 1948	Due to Final Audit	J. D. K.
1 Mar 1956	Deletion of 8.00 Acres reassigned SARTC	E. H. D.
1 Apr 1956	Conveyance to Central Pacific Railway Company Added	E. H. D.

CORPS OF ENGINEERS, U.S. ARMY
OFFICE OF THE DIVISION ENGINEER
SOUTH PACIFIC DIVISION

DESIGNED BY T. W.
TRACED BY J. D. K.
CHECKED BY
SUBMITTED BY
CHIEF, CADASTRAL SEC.
RECOMMENDED BY
G. E. Weyers

REAL ESTATE

Figure 5-2: Tract Acquisition Map, Sacramento Army Depot (Plate)

SACRAMENTO ARMY DEPOT

APPROVED BY William H. Cannon DATE 22 Mar 49

R.5E., M.D.B.M.

34	RICHARD R YOE and RUTH G YOE	2.39	
35	WILLIAM H. STEPP and BEULAH STEPP	0.022	
36	STATE OF CALIFORNIA (Highway Division)		0.266
37	MORRIS OFFER	0.174	
38	LELAND L ROGERS and ANNIE F. ROGERS	1.36	
39	DORA WIRE	5.37	
40	CENTRAL PACIFIC RAILWAY COMPANY and SOUTHERN PACIFIC COMPANY		0.524
41	MINORU FUJII	0.185	

OUTSTANDING RIGHTS

ROADS: Rights of way to public highways or roads lying within the areas of Tr

1 Dec '52	Name Changed From
	Dated 21 Aug 62
15 Nov 57	6.02 ac. comprising
DATE	

(11)

	0.339	Lease W- 04-193-Eng-6770
	2.39	Lease W- 04-193-Eng-6771
	0.022	Lease W- 04-193-Eng-6772
	0.266	Encroachment Permit No A-35368 Dated 8th Nov 1945, For Drainage Ditch Right of Way,
	0.174	Lease W- 04-193-Eng-6774
S	1.36	Lease W- 04-193-Eng-6775
	5.37	Lease W- 04-193-Eng-6776
d	0.524	Easement Dated 8th March 46 For Drainage Ditch Right of Way, Formerly known as Tract No 11
	0.185	Lease W- 04-193-Eng-6777

*RE-D4380-4
1946 deletes

REVISION

DEVELOPED BY

TRACED BY

CHECKED BY

SUBMITTED BY

CHIEF, CADASTRAL

RECOMMENDED BY

CHIEF, STATISTICAL

OFFICE, CHIEF OF EN

roads lying within the areas of Tracts 1 to 9.

1 Dec '52	Name Changed From Sacramento Signal Depot By Dept. of Army G.O 51 Dated 21 Aug 62	DAB
15 Nov 57	6.02ac. comprising USARC facilities reinstated	Jeg
DATE	REVISIONS	BY

AUD

INSTALLATION CR PH

12

*RE-D 4380-A (Gen.) Dated 2nd Jan
1946 deletes 3.15 Acres

TRACT NUMBER

99

REVISION	DATE	BY
5 Oct 1948	Due to Final Audit	J D K
Nov 1956	Deletion of 8.02 Acres reassigned SARTC	E H D
Jan 1956	Conveyance to Central Pacific Railway Company Added	E H D

CORPS OF ENGINEERS, U.S. ARMY
OFFICE OF THE DIVISION ENGINEER
SOUTH PACIFIC DIVISION

DRAWN BY T. H.
TRACED BY J. D. K.
CHECKED BY
SUBMITTED BY

REAL ESTATE

Figure 5-2: Tract Acquisition Map, Sacramento Army Depot (Plate)

SACRAMENTO ARMY DEPOT

CHIEF, CADASTRAL SEC.

RECOMMENDED BY

GE/Weysda
CHIEF, STATISTICAL BRANCH

APPROVED BY

William H. (L.H.)
DIVISION REAL ESTATE OFFICER

DATE

22 Mar 49

OFFICE, CHIEF OF ENGINEERS, WASHINGTON, D. C.

AUDITED

INSTALLATION OR PROJECT NO

2533

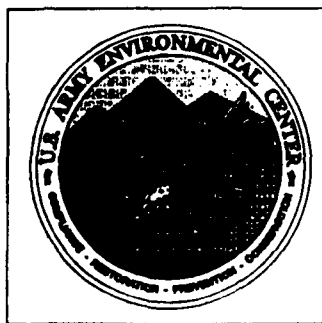
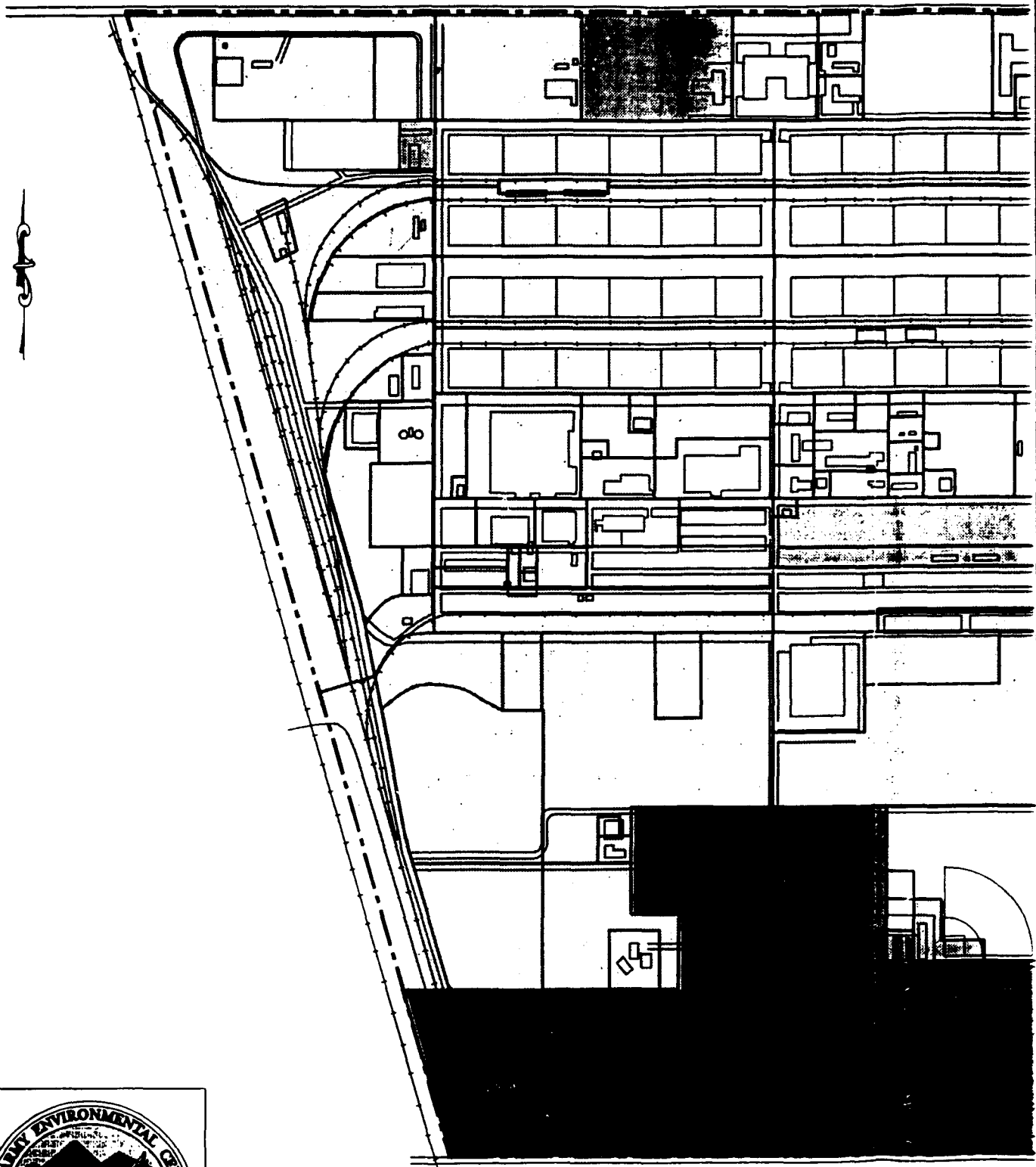
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500' 0' 600' 1200'

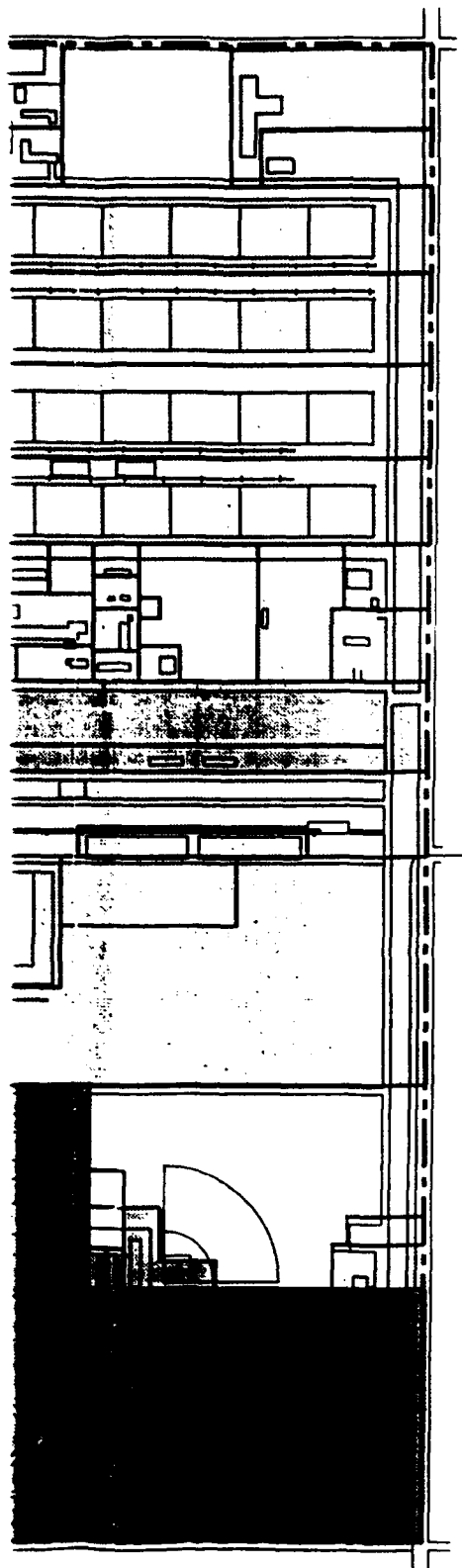
SHEET 1 OF 2





DRAWING NO. FB-250

ENG. FORM 14567-10-6-47
BRUNNEN & ESSER CO. OF N. Y.
SAN FRANCISCO, CALIF.



1032



-  DISQUALIFIED AREA
 QUALIFIED AREA
 EXCLUDED AREA
 CERFA PARCEL

SCALE

0 1000 (ft)

FIGURE 5-3
SACRAMENTO ARMY DEPOT
SACRAMENTO, CALIFORNIA
CERFA PARCEL DESIGNATIONS

Prepared For:	USAEC	Scale:	AS SHOWN
Drawing No:	67070-019	Date:	OCT. 1993
Arthur D Little Cambridge, Massachusetts			

282

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References are listed in order of their review during the CERFA assessment.

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- R-2. Ebasco, Inc. Sacramento Army Depot Draft Environmental Impact Statement, prepared for U.S. Army Corps of Engineers, Sacramento Division, June 29, 1993.
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- R-6. Kleinfelder, Inc. FREON 113 Field Investigation Work Plan, prepared for U.S. Army Corps of Engineers, Sacramento District, Job No. 24-150038-A01; June 10, 1993.
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- R-11. United States Army Environmental Hygiene Agency. Ground-Water Contamination Survey No. 38-26-0883-89, Evaluation of Solid Waste Management Units, Sacramento Army Depot, Sacramento, CA, May 31-June 3, 1988, March 27-31, 1989, June 26-27, 1989.
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- R-13. Kleinfelder, Inc. Aerial Photographic Analysis of the Sacramento Army Depot, Sacramento, California, prepared for SAAD, under Contract to the U.S. Army Corps of Engineers, Job No. 24-150004-A01, February 1990.
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- R-17. U.S. Army Corps of Engineers, Omaha Division. Investigation and Evaluation of Underground Storage Tanks, Sacramento Army Depot; prepared for U.S. Army Corps of Engineers, Huntsville Division, September 1989.
- R-18. Sacramento Army Depot South Post Groundwater Contamination, Superfund Record of Decision, Annual Quarterly Monitoring.
- R-19. Sacramento Army Depot South Post Groundwater Contamination - Onsite Groundwater Contamination, Superfund Record of Decision, 1989.
- R-20. Sacramento Army Depot Burn Pits Operable Unit, Superfund Record of Decision, February, 26, 1993.
- R-21. Sacramento Army Depot Oxidation Lagoons Operable Unit, Superfund Record of Decision, March 31, 1992.
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- R-23. Kleinfelder, Inc. Soil Gas Investigation: Site 014B Possible Shallow Lagoon, Site 016B Paint Residue and Waste Oil Dump, Site 019B Fill Area with Numerous Vehicles, Sacramento Army Depot, prepared for U.S. Army Corps of Engineers, Sacramento Division, July 31, 1991.
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- I-3. Interview with D. Oburn, SAAD-EMD, to define extent of ground water contamination at SAAD based on ongoing investigations, September 1, 1993.
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- S-1. Arthur D. Little site inspection, S.Coons and S. Gnewuch, August 31, 1993.
- S-2. Arthur D. Little site inspection, S. Gnewuch, September 1, 1993.
- S-3. Arthur D. Little site inspection, S. Coons and S. Gnewuch, September 2, 1993.

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Addendum to Well Construction Report Onsite Wells, MW-22 through MW-26	Final	Feb. 10, 1988
Well Closure Report	Final	Feb. 23, 1988
Addendum to Well Construction Report Off-site Wells, MW-1001 through MW-1012	Final	May 31, 1988
Addendum to Well Construction Report Off-site, MW-1013 through MW-1016	Final	Oct. 18, 1988
Addendum to Well Construction Report Offsite, MW-1017 through MW-1020	Final	March 17, 1989
Addendum to Well Construction Report Onsite Wells, MW-27 through MW-50	Final	May 30, 1989
Addendum to Well Construction Report Offsite, MW-1021 through MW-1024	Final	Jan. 15, 1990
Addendum to Well Construction Report Onsite Wells, MW-52 through MW-53	Final	June 6, 1990
Addendum to Well Construction Report MW-54 through MW-65	Final	March 26, 1991
Well Construction Report	Final	Sept. 13, 1991
Addendum to Well Construction Report MW-56 through MW-69	Final	April 4, 1992
Well Construction Report, Parking Lot 3 Well Cluster	Final	Feb. 26, 1993

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BURN PITS SITE RELATED REPORTS

Proposed Gas Characterization & Mitigation Detection Testing APCD No. 8 Unit	Final Draft	Nov. 23, 1987 July 31, 1987
Burn Pits Quality Assurance Project Plan & Field Sampling Plan	Draft	March 28, 1990 Feb. 23, 1990
Burn Pits Public Health Evaluation	Draft	June 11, 1991
Burn Pits OUFS Treatability Study Workplan	Rev. Draft Draft	Nov. 24, 1991 Oct. 11, 1991 Nov. 13, 1990
Burn Pits Operable Unit Technical Memorandum on Field Activities Appendix A-3 Part 1 of 3 of the Remedial Investigation Report	Final Draft	Oct. 28, 1991 Aug. 28, 1990
Burn Pits Operable Unit Feasibility Study	Final Rev. Draft	April 1, 1993 Aug. 5, 1992 May 15, 1992
Burn Pits Treatability Test Report (Appendix G of OUFS)	Final	June 12, 1992
Burn Pits Baseline Health Risk Assessment, (Appendix C of OUFS)	Final	June 12, 1992
Appendices F,I,J of the Burn Pits OUFS		June 12, 1992
Burn Pits ROD	Final Draft Draft	Feb. 26, 1993 Feb. 11, 1993 June 26, 1992
Addendum Report to Technical Memorandum on Field Activities, Burn Pits Operable Unit	Draft	July 17, 1992
Technical Memorandum. Summary of Existing Information, Burn Pits		August 6, 1992
Draft RFP - Burn Pits Solidification	Draft	July 1, 1993

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Groundwater QAPP/FSP	Final	July 18, 1990
Groundwater Treatment Alternatives Assessment		May 31, 1988
Work Plan, Groundwater Treatment Process Testing and Evaluation		June 7, 1988
Post Screening Evaluations & Preliminary Design of SAAD Phase II OUFS Ground Water Treatment Systems		July 18, 1988
Groundwater Extraction System	Final Rev. Draft	Aug. 10, 1988 May 25, 1988 March 4, 1988
Final Design Analysis On-Post IRM Ground Water Extraction and Treatment		Sept. 9, 1988
Public Health Evaluation of SAAD Phase II OUFS Groundwater Treatment System	Final	April 1989
Technical Memorandum, Data Analysis for Extraction Design		April 21, 1989
On-site Groundwater Operable Unit Feasibility Study	Final	May 19, 1989
Proposed Plan for Groundwater Remediation		June 16, 1989
Report of Findings - Pilot Extraction Well/Test Borings		June 26, 1989
Groundwater Monitoring Plan	Comments Rev. Draft	Nov. 24, 1992 July 7, 1992 Nov. 17, 1989
Construction Completion Report, SAAD Ground Water Extraction and Treatment System		Dec. 18, 1989
After Action Testing Report SAAD Ground Water Extraction & Treatment System	Draft	Dec. 22, 1989
Groundwater Results Report		July 1990
Groundwater Extraction & Treatment System Troubleshooting	Draft Draft	March 26, 1991 Aug. 14, 1990 June 29, 1990
Groundwater Extraction and Treatment System Water Reuse Assessment	Comments Final Draft	June 5, 1991 Oct. 26, 1990 Oct. 17, 1990
Preliminary Environmental Site Assessment	Final	Oct. 13, 1992
South Post Groundwater Treatment System Performance Evaluation	Final Draft	June 16, 1993 Nov. 25, 1992

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Groundwater Sampling Results, First Quarter, 1989	Final	May 1989
Groundwater Sampling Results, Second Quarter, 1989	Final	August 1989
Groundwater Sampling Results, Summer Quarter, 1989	Final	November 1989
Groundwater Sampling Results, Fall Quarter, 1989	Final	February 1990
Quarterly Groundwater Sampling Report, Winter, 1990	Final	April 4, 1990
Quarterly Groundwater Sampling Report, Spring, 1990	Final	July 10, 1990
Quarterly Groundwater Sampling Report, Summer, 1990	Final	November 1990
Quarterly Groundwater Sampling Report, Fall, 1990	Final	January 10, 1991
Quarterly Groundwater Sampling Report, Winter, 1991	Final	April 4, 1991
Quarterly Groundwater Sampling Report, Spring, 1991	Final	August 30, 1991
Quarterly Groundwater Sampling Report, Summer, 1991	Final	December 10, 1991
Annual Groundwater Sampling Report, Fall, 1991	Final	June 19, 1992
Quarterly Groundwater Sampling Report, Winter, 1992	Final	June 18, 1992
Quarterly Groundwater Sampling Report, Spring, 1992	Final	Oct. 30, 1992
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Health & Safety Plan – Task 1A "Deep" Well Installation Ground Water Sampling		Oct. 31, 1985
Supplement to Health & Safety Plan Task 1C – Well Installation in N.W. Corner of Depot		May 15, 1986
Health & Safety Plan Additional Soil Investigation		Dec. 8, 1986
Supplement to Health & Safety Plan, Soil Gas Survey		Sept. 25, 1987
Site Safety Plan for Assessment of Offsite Ground Water Conditions	Final Draft	Oct. 29, 1987 Oct. 6, 1987
Health & Safety Plan – Tank 2	Final Draft	Sept. 27, 1989 Aug. 22, 1989
Health & Safety Plan – Oxidation Lagoons & Burn Pits	Final Draft	March 1, 1990 Nov. 20, 1989
Health & Safety Plan – RFA Sampling	Final Draft	June 20, 1990 May 14, 1990
Health & Safety Plan Remedial Investigation Battery Disposal Well	Final Draft	November 18, 1992 September 24, 1992 July 17, 1990
Health & Safety Plan Remedial Investigation Building 300 Old Burn Pits	Final Revised Draft	March 17, 1992 May 5, 1992 July 17, 1990
Health & Safety Plan Remedial Investigation Firefighter Training Area	Final Draft	August 2, 1990 July 17, 1990
Health & Safety Plan Remedial Investigation Pesticide Mix Area	Final Draft	December 3, 1992 July 17, 1990
Health & Safety Plan, Air Sparging Pilot Test Parking Lot 3	Draft	May 10, 1993

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Prelim. Procedures Report Underground Tank Monitoring		May 1985
Underground Storage Tank Precision Testing & Compliance Recommendations	Final Draft	July 5, 1989 Jan. 12, 1987
Geotechnical Investigation Report Proposed Treatment Facility		July 15, 1988
Quality Assurance Project Plan, Remedial Investigation at Waste Management Units	Final Draft	Oct. 30, 1991 June 5, 1989
Wetlands Delineation	Final Draft	Jan. 29, 1992 Oct. 31, 1991
Ecological Risk Assessment	Rev. Draft	Nov. 4, 1991 April 22, 1991
Morrison Creek Sediment Transport Study	Final	Feb. 5, 1992
Community Relations Plan	Final Draft	March 19, 1992 Oct. 7, 1991
BAT Probe Sampling Report		August 4, 1992
1991/1992 Annual Update Report	Draft	March 1, 1993
DI WET Sampling Results		Feb. 23, 1993
Air Sparging Pilot Test Workplan Parking Lot 3	Draft	May 5, 1993
Draft Design Supplement to Pilot Test Work Plan Parking Lot 3 Air Sparging	Draft	June 4, 1993
Parking Lot 3 Air Sparging Interim Final Treatability Study Workplan		July 8, 1993
Freon 113 Field Investigation Workplan	Draft	Sept. 8, 1993
Freon 113 Health and Safety Report		Sept. 17, 1993

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OXIDATION LAGOONS SITE RELATED REPORTS

Workplan for a Hydrogeologic Assessment Report for the SAAD Oxidation Lagoons		Nov. 25, 1987
Oxidation Lagoons Quality Assurance Project Plan and Field Sampling Plan	Draft	Feb. 27, 1990
Treatability Study Work Plan Oxidation Lagoons Operable Unit		August 2, 1990
Oxidation Lagoons Operable Unit Technical Memorandum of Field Activities, Appendix A-2 Part 1 of 1 of the Remedial Investigation	Final Rev. Rev. Draft	June 30, 1992 October 25, 1992 August 6, 1990 Sept. 27, 1990
Bench Scale Treatability Study Work Plan Oxidation Lagoons	Draft	Dec. 18, 1990
Human Health Evaluation of Remedial Alternatives for Oxidation Lagoons		May 9, 1991
Additional Treatability Testing Report Oxidation Lagoons		July 17, 1991
Public Health Evaluation, Oxidation Lagoons	Draft Draft	July 23, 1991 Feb. 6, 1991
Treatability Study - Oxidation Lagoons	Comments Draft Draft Draft	May 24, 1991 Feb. 25, 1991 Nov. 13, 1990 March 27, 1990
Operable Unit Feasibility Study Oxidation Lagoons	Final Rev. Rev. Final Draft Draft	Aug. 16, 1992 April 10, 1992 March 30, 1992 March 13, 1992 June 14, 1991 April 15, 1991
Mobility Assessment of Metals Oxidation Lagoons, Appendix J of OUFS		June 16, 1992
Oxidation Lagoons ROD	Final Revisions Draft Draft	Sept. 15, 1992 Sept. 9, 1992 June 30, 1992 April 2, 1992

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Final Draft Task 1B Soil Sample Workplan		June 11, 1986
Soil Sampling Plan		July 8, 1986
Report of Soil Sampling Activities		Oct. 2, 1986
IRP Phase II, Soil Sampling Plan for Additional Areas of Investigation		Dec. 9, 1986
Phase II IRP Soil & Ground Water Assessment	Comments	Dec. 10, 1987
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IRP Phase II, Results of Sampling in Additional Areas of Investigation		June 10, 1987
Technical Memorandum -- Summary of Existing Data		April 22, 1988
Technical Memorandum -- Site Description	Final	Feb. 28, 1989
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Aerial Photographic Analysis, Vol I		Feb. 1990

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Depot Wide Quality Assurance Project Plan for the Remedial Investigation at Waste Management Unit		April 1990
Quality Assurance Project Plan Field Sampling Plan		July 11, 1990
SWAT/HAR References (App. to RI/FS Workplan) RI/FS Sites Health & Safety Plans		July 17, 1990
RI/FS Workplan, HAR and SWAT Requirements	Rev. Final Rev. Draft	October 15, 1992 September, 1992 June 28, 1991 August 6, 1990
Pesticide Mix Area, Firefighter Training Area, Building 300 Old Burn Pits, Battery Disposal Well Technical Memorandum of Field Activities Appendix A-4 Part 1 of 4 of the Remedial Investigation Report	Final Draft	Oct. 28, 1991
QAPP/FSPs - RI/FS Sites (Pest. Mix Build. 300, Battery Disp., Firefighter)	Final Draft Draft Draft	May 7, 1992 Jan. 28, 1992 April 26, 1990 Nov. 27, 1989
Initial Screening of Remedial Alternatives for RI/FS Sites	Final	Sept. 1, 1992
Health Risk Assessment for the Pesticide Mix Area and the Battery Disposal Well	Final	Nov. 16, 1992
Technical Memorandum, Summary of Existing Data, Pesticide Mix Area and Dry Cell Battery Disposal Well		August 6, 1990
Engineering Evaluation/Cost Analysis (EE/CA)- Pesticide Mix Area	Draft	January 25, 1993
Building 300 - Health Risk Assessment	Draft	April 19, 1993
Pesticide Mix Area & Battery Disposal Well Excavation Activities Results		July 7, 1993

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RFA SITE RELATED REPORTS

RCRA Facilities Assessment Sampling Visit Report		Dec 17, 1990
Infrared Survey		April 4, 1991
Soil Gas Investigation, Site 014B, 016B and 019B		July 31, 1991
RFA Sampling Plan	Final	Feb. 5, 1992
	Draft	June 15, 1990
	Draft	March 20, 1990
RFA Sampling Plan 2 IR Sites, Contractors Spoils Area, Rail Yard Engine Shed	Final	May 18, 1992
	Draft	May 1, 1992
	Revised	March 19, 1992
	Draft	Dec. 6, 1991
Additional RFA Investigation, Rail Yard Engine Shed, Contractor's Spoils Area, Area South of Kwajalein Street, and Buildings 651 and 653	Final	Oct. 27, 1992
Soil Gas Sampling Plan, Three RFA Sites		Nov. 13, 1990

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TANK 2 SITE RELATED REPORTS

Summary of Existing Data - Tank 2		Dec. 1988
OUFS Memorandum - Tank 2		May 26, 1989
Tank 2 QAPP and FSP Deport Wide QAPP		Nov. 6, 1989
Tank 2 Quality Assurance Project Plan	Draft	Nov. 27, 1989
Tank 2 Field Safety Plan	Draft	Nov. 27, 1989
Treatability Study Workplan. Tank 2 Operable Unit	Draft	Aug. 2, 1990 March 9/22, 1990
Treatability Study - Tank 2	Draft	Feb. 26, 1991
Public Health Evaluation - Tank 2 (Appendix C of OUFS)	Final Draft Draft Draft	Aug. 5, 1991 July 8, 1991 Nov. 13, 1990 Oct. 26, 1990
Technical Memorandum, Summary of Existing Information, Tank 2		Aug. 6, 1990
Human Health Evaluation of Remedial Alternatives for Tank 2, (Appendix F of OUFS)		May 9, 1991
Additional Treatability Testing Report, Tank 2		July 15, 1991
Public Health Evaluation of Soil Venting System Tank 2		July 17, 1991
Treatability Study Report, Tank 2 Operable Unit (Appendix E of OUFS)		July 19, 1991
Operable Unit Feasibility Study, Tank 2	Final Draft	Aug. 12, 1991 June 7, 1991
Mobility Assessment of Contaminants at the Tank 2 Site, (Appendix H of OUFS)		Aug. 14, 1991 July 26, 1991
Record of Decision (ROD) - Tank 2	Final Draft Draft	Oct. 2, 1991 Sept. 26, 1991 Sept. 20, 1991
Tank 2 Operable Unit Technical Memorandum of Field Activities, Appendix A-1 Part 1 of 1 of the Remedial Investigation Report	Final Draft Draft	Oct. 25, 1991 November 13, 1990 January 23, 1990
Title II Summary Report		April 14, 1993
Tank 2 Remedial Action Report	Draft	June 29, 1993

Appendix A: Federal and State Database Search



ENVIRONMENTAL DATABASE, INC.

7061 S. University Blvd. • Suite 300
Littleton, Colorado 80122
(303) 794-8389 • 1-800-982-4627 • Fax (303) 794-0049

October 7, 1993

Ms. Susan Coons
Arthur D. Little Company
15 Morning Glory
Irvine, CA 92175

Client Job #: None Given
Client PO #: None Given

Search Area: 8350 Fruitridge Road - Sacramento, CA

Dear Ms. Coons:

The Customized data search we performed on the above referenced property encountered the following occurrences. There are five maps with this project:

<u>Database Searched</u>	<u>On Site</u>	<u>In Search Area</u>	<u>Location Unknown</u>	<u>Advisory</u>	<u>Search Radius</u>	<u>Totals</u>
NPL/Superfund Sites.	1	0	0	0	1 Mile	1
EPA CERCLIS Sites.	1	3	1	0	1/2 Mile	5
ERNS Spills.	0	17	1	3	1/4 Mile	21
RCRA Corrective Actn	1	0	0	0	1/4 Mile	1
RCRA D Landfills	0	0	0	0	1 Mile	0
RCRA Facilities.	1	32	0	0	1/4 Mile	33
FINDS Facilities	2	8	0	0	1/2 Mile	10
State Superfund.	3	3	5	0	1 Mile	11
State Landfills.	0	1	0	0	1 Mile	1
Leaking UST's.	1	21	0	2	1/4 Mile	24
Registered UST's	2	44	1	3	1/4 Mile	50

Additional details about this job search are included with the enclosed reports. If there are any questions, please call us at 1-800-982-4627 or 303-794-8389.

Sincerely,

Jacquie R. Little
Jacquie R. Little
Database Administrator

EDI Project #: 5173

DATABASE UPDATE DATES & MAP STATUS EXPLANATIONS

<u>Databases</u>	<u>Date Of Agency Update</u>
NPL/Superfund Sites	04/03/93
EPA CERCLIS Sites	04/03/93
ERNS Hazardous Material Spills.....	08/15/92
RCRA Corrective Action	03/01/93
RCRA D Landfills	03/01/93
RCRA Facilities (All Categories)	09/01/92
FINDS Facilities	10/30/92
State Superfund Sites	05/23/93
State Landfills	05/23/93
Leaking UST's	05/23/93
Registered UST's	05/23/93

Please note the following occurrences are located at the site:

NPL #11NPL, CERC #11C, RACT #14221CA, RCRA #14221R, FINDS #4F3 & 41F
SF #34001963 & 322SF & 323SF LUST #L13366 and RUST #34001963 & 428U

Map Status Explanations

IN SEARCH AREA - SITE MAPPED:

This represents a site which was mapped upon your request.

LOCATION UNKNOWN - SITE NOT MAPPED:

This represents a site which we were unable to exclude from your search area because of insufficient address/location information. We are including this report for your reference in case it might be in your area of investigation.

ADVISORY ONLY - SITE NOT MAPPED:

This represents a site address which was found to be outside your search area, but which may encroach on your project area. We have included these reports for your reference.

This report is in no way to be taken as a declaration of the legal status of any property herein mentioned.

The information contained in this report has been gathered from government sources and was the latest available to us at compilation time. While every reasonable attempt has been made to ensure the accuracy of the information contained herein; it is understood that we cannot guarantee the accuracy of the information from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

















For reports that contain maps it is understood that the purpose of these maps is to give the user a "working approximation" of the positions of reported site locations. Due to the level of accuracy for both the base maps themselves and the reported location information, these maps should not be used for purposes more correctly served by professional surveys.

Plotting of environmental information on our maps is dependent in part, on the accuracy of the street grid as represented in our map files. Should the client suspect the existence of, or during the field inspection should the client encounter, streets that are not shown on our maps, this should be brought to our attention to further improve the accuracy of the information contained in this report.

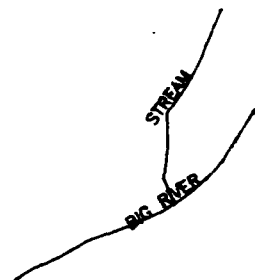
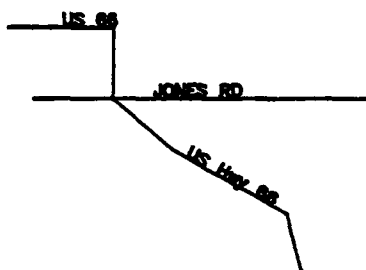
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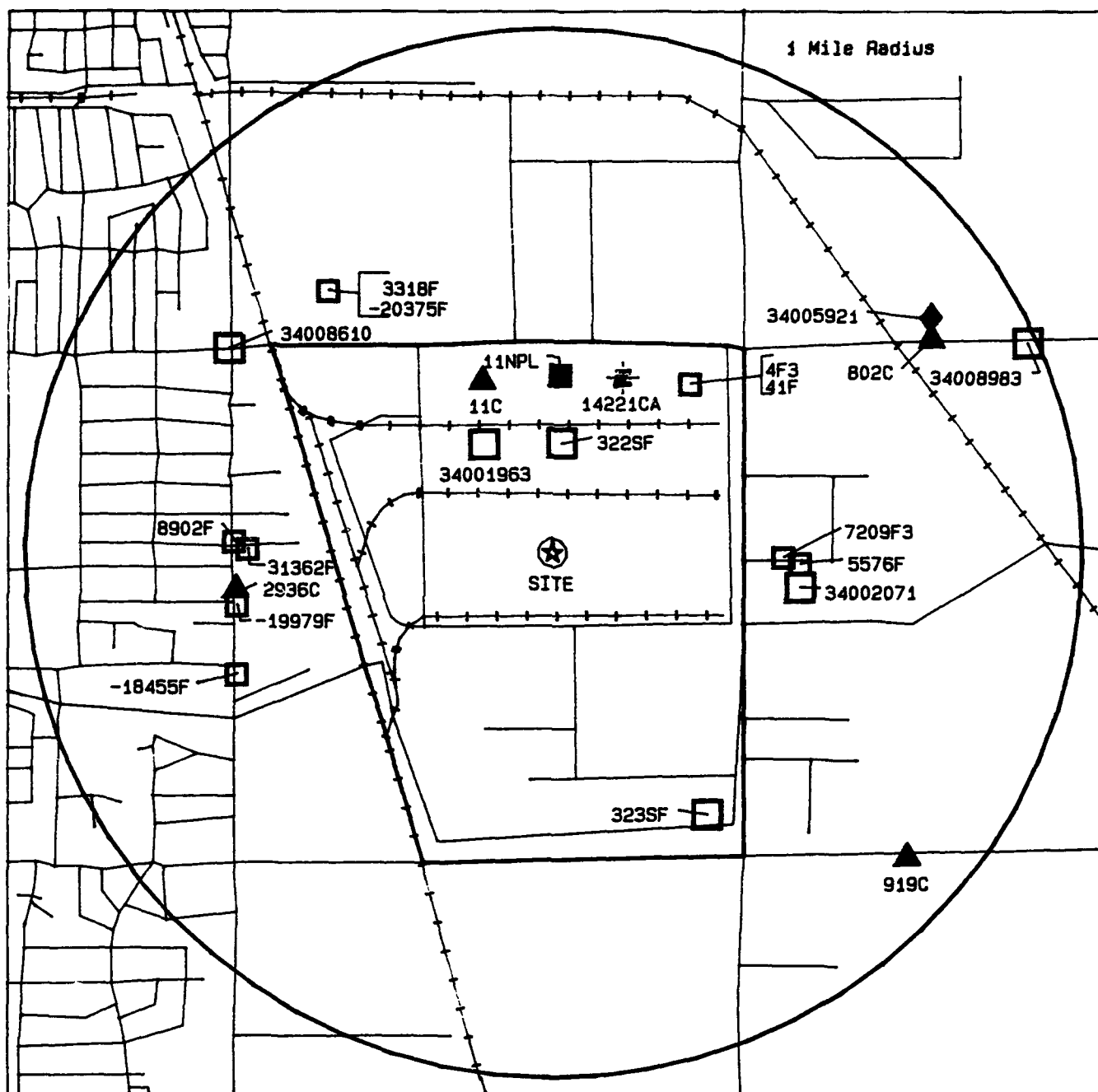
MAP LEGEND

ENVIRONMENTAL SITE SYMBOLS

 SITE FOR ENVIRONMENTAL DATA-SEARCH		
 NPL/SUPERFUND SITE	 RCRA NOTIFIER FACILITY	 PCS FACILITY
 CERCLA SITE	 LANDFILL OR RCRA SUBTITLE D WASTE LANDFILL	 STATE SUPERFUND SITE
 SARA III/TRIS SITE (TOXIC RELEASE INVENTORY FACILITY)	 FINDS FACILITY	 REPORTED LEAKING UNDERGROUND STORAGE TANK
 ERNS SITE (REPORTED HAZARDOUS MATERIAL SPILL)	 AIR FACILITY	 REGISTERED UNDERGROUND STORAGE TANK
 RCRA CORRECTIVE ACTION SITE	 AIR MONITORING STATION	 STATE CERCLIS/CORTESE SITE

CULTURAL FEATURES



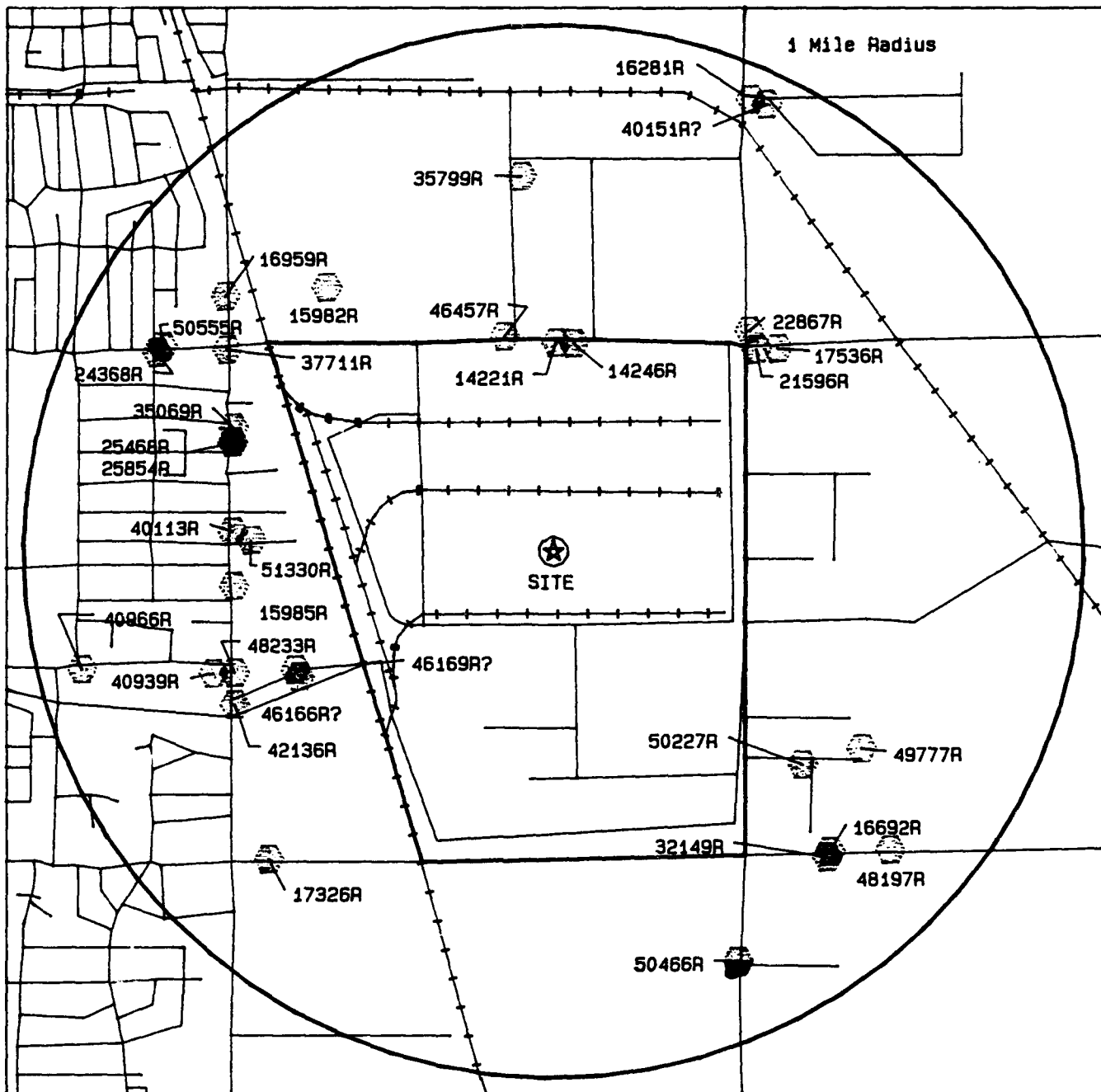


8350 Fruitridge Rd, Sacramento, CA
Scale: 1"=1600' - Environmental Map 1

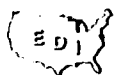


ENVIRONMENTAL DATABASE, INC. ~ LITTLETON, COLORADO



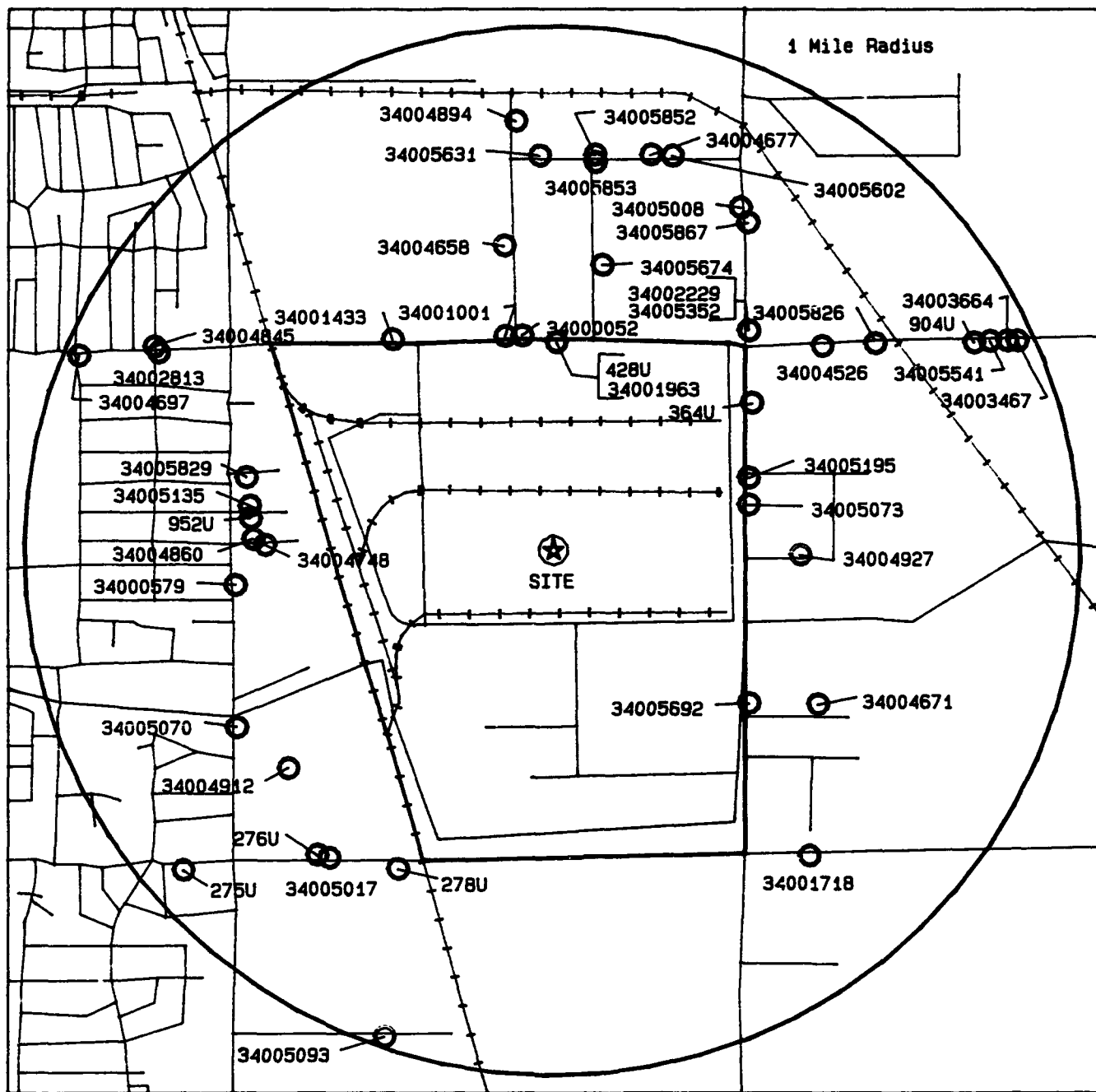


8350 Fruitridge Rd, Sacramento, CA
Scale: 1"=1600' - Environmental Map 3



ENVIRONMENTAL DATABASE, INC. · LITTLETON, COLORADO



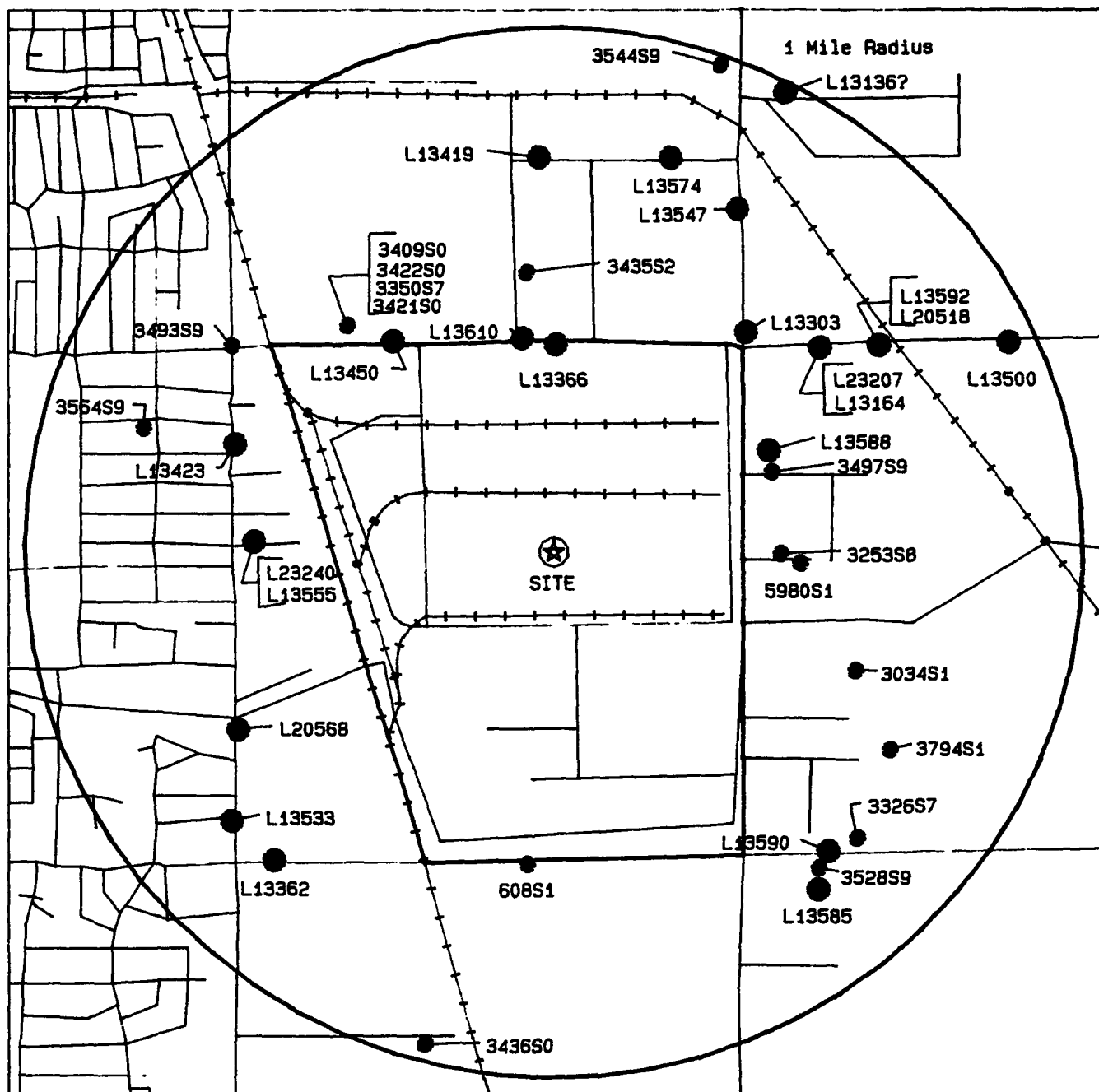


8350 Fruitridge Rd, Sacramento, CA
Scale: 1"=1600' - Environmental Map 4



ENVIRONMENTAL DATABASE, INC. - LITTLETON, COLORADO





8350 Fruitridge Rd, Sacramento, CA
Scale: 1"=1600' - Enviromental Map 2



ENVIRONMENTAL DATABASE, INC. - LITTLETON, COLORADO



NPL SITE REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 11NPL

EPA Region: 09
EPA ID Number: CA0210020780

Site Name: SACRAMENTO ARMY DEPOT
Address: 8350 FRUITRIDGE RD
City: SACRAMENTO
County: SACRAMENTO

State: CA Zip: 95813

USGS Hydrological Unit: 18020111

Date Of Last EPA Update For Site: 02/05/93

Federal Facility Flag: FEDERAL FACILITY
SITE IS ON THE DOCKET

Ownership Indicator: FEDERALLY OWNED
Site Incident Category: MILITARY RELATED
Site Classification: FEDERAL ENFORCEMENT

Site Description: SAAD IS A SUPPLY DEPOT RESPONSIBLE FOR THE
RECEIPT, STORAGE, ISSUE, MAINTENANCE, & DSPL OF ELEC
MTRLS. PRIMARY SOURCES OF CONTAMINATION DERIVED
FR THE DISCHARGE OF LIQUID INDUS WASTETO OXIDATION
LAGOONS & DESTRUCTION OF SOLID IND WASTE & SOLV

NPL Status: CURRENTLY ON THE FINAL NPL

Further Action Flag:

CERCLIS Status:
RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====

EVENT	LEAD	DATE
DISCOVERY	FEDERAL FACILITIES	07/01/79
HAZARD RANKING DETERMINED	EPA FUND-FINANCED	04/01/84
FINAL LISTING ON NPL	FEDERAL ENFORCEMENT	07/22/87
PROPOSAL TO NPL	FEDERAL ENFORCEMENT	10/15/84
PRELIMINARY ASSESSMENT	FEDERAL FACILITIES	04/01/84
SCREENING SITE INSPECTION	FEDERAL FACILITIES	04/01/84

CERCLA SITE REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 11C

EPA Region: 09

EPA ID Number: CA0210020780

Site Name: SACRAMENTO ARMY DEPOT

Address: 8350 FRUITRIDGE RD

City: SACRAMENTO

County: SACRAMENTO

State: CA

Zip Code: 95813

USGS Hydrological Unit: 18020111

Date Of Last EPA Update For Site: 02/05/93

Federal Facility Flag: FEDERAL FACILITY
SITE IS ON THE DOCKET

Ownership Indicator: FEDERALLY OWNED

Site Incident Category: MILITARY RELATED

Site Classification: FEDERAL ENFORCEMENT

Site Description: SAAD IS A SUPPLY DEPOT RESPONSIBLE FOR THE
RECEIPT, STORAGE, ISSUE, MAINTENANCE, & DSPL OF ELEC
MTRLS. PRIMARY SOURCES OF CONTAMINATION DERIVED
FR THE DISCHARGE OF LIQUID INDUS WASTETO OXIDATION
LAGOONS & DESTRUCTION OF SOLID IND WASTE & SOLV

NPL Status: CURRENTLY ON THE FINAL NPL

Further Action Flag:

CERCLIS Status:

RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====		
EVENT	LEAD	DATE
DISCOVERY	FEDERAL FACILITIES	07/01/79
HAZARD RANKING DETERMINED	EPA FUND-FINANCED	04/01/84
FINAL LISTING ON NPL	FEDERAL ENFORCEMENT	07/22/87
PROPOSAL TO NPL	FEDERAL ENFORCEMENT	10/15/84
PRELIMINARY ASSESSMENT	FEDERAL FACILITIES	04/01/84
SCREENING SITE INSPECTION	FEDERAL FACILITIES	04/01/84

CERCLA SITE REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 2936C

EPA Region: 09

EPA ID Number: CAD983576711

Site Name: PINE MOUNTAIN CORP.

Address: 6001 POWER INN RD.

City: SACRAMENTO

County: SACRAMENTO

State: CA

Zip Code: 95824

USGS Hydrological Unit: 18020109

Date Of Last EPA Update For Site: 02/12/93

Federal Facility Flag: IS NOT A FEDERAL FACILITY
SITE IS NOT ON THE DOCKET

Ownership Indicator: PRIVATE

Site Incident Category: UNKNOWN - NOT GIVEN

Site Classification: NO DETERMINATION

Site Description:

NPL Status: THE SITE IS NOT AND NEVER HAS BEEN ON THE PROPOSED
AND/OR FINAL NPL

Further Action Flag: NO FURTHER REMEDIAL ACTION PLANNED

CERCLIS Status:

RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====		
EVENT	LEAD	DATE
DISCOVERY	EPA FUND-FINANCED	08/16/91
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	02/12/93

CERCLA SITE REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 802C

EPA Region: 09

EPA ID Number: CAD039362017

Site Name: L&D LDFL

Address: 8635 FRUITRIDGE RD

City: SACRAMENTO

County: SACRAMENTO

State: CA

Zip Code: 95826

USGS Hydrological Unit: 18020109

Date Of Last EPA Update For Site: 10/30/92

Federal Facility Flag: IS NOT A FEDERAL FACILITY
SITE IS NOT ON THE DOCKET

Ownership Indicator: UNKNOWN

Site Incident Category: UNKNOWN - NOT GIVEN

Site Classification: NO DETERMINATION

Site Description:

NPL Status: THE SITE IS NOT AND NEVER HAS BEEN ON THE PROPOSED
AND/OR FINAL NPL

Further Action Flag: NO FURTHER REMEDIAL ACTION PLANNED

CERCLIS Status:

RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====		
EVENT	LEAD	DATE
DISCOVERY	EPA FUND-FINANCED	06/01/81
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	02/01/85

CERCLA SITE REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 919C

EPA Region: 09

EPA ID Number: CAD048941470

Site Name: TAYKO ELECTRIC

Address: 8604 ELDER CREEK RD

City: SACRAMENTO

County: SACRAMENTO

State: CA

Zip Code: 95828

USGS Hydrological Unit: 18020109

Date Of Last EPA Update For Site: 10/30/92

Federal Facility Flag: IS NOT A FEDERAL FACILITY
SITE IS NOT ON THE DOCKET

Ownership Indicator: UNKNOWN

Site Incident Category: UNKNOWN - NOT GIVEN

Site Classification: NO DETERMINATION

Site Description:

NPL Status: THE SITE IS NOT AND NEVER HAS BEEN ON THE PROPOSED
AND/OR FINAL NPL

Further Action Flag: NO FURTHER REMEDIAL ACTION PLANNED

CERCLIS Status:

RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====		
EVENT	LEAD	DATE
DISCOVERY	EPA FUND-FINANCED	04/01/80
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	05/01/80

CERCLA SITE REPORT

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 2713C

EPA Region: 09

EPA ID Number: CAD990833014

Site Name: TELEDYNE RYAN ELECTRONICS CO

Address: 8650 BALBOA AVE

City: SAN DIEGO

County: SAN DIEGO

State: CA

Zip Code: 92123

USGS Hydrological Unit: 18070304

Date Of Last EPA Update For Site: 10/30/92

Federal Facility Flag: IS NOT A FEDERAL FACILITY
SITE IS NOT ON THE DOCKET

Ownership Indicator: UNKNOWN

Site Incident Category: UNKNOWN - NOT GIVEN

Site Classification: NO DETERMINATION

Site Description:

NPL Status: THE SITE IS NOT AND NEVER HAS BEEN ON THE PROPOSED
AND/OR FINAL NPL

Further Action Flag: NO FURTHER REMEDIAL ACTION PLANNED

CERCLIS Status:

RCRA Flag: UNKNOWN - NOT GIVEN

===== EPA Events That Have Taken Place At The Site =====		
EVENT	LEAD	DATE
DISCOVERY	EPA FUND-FINANCED	08/01/80
PRELIMINARY ASSESSMENT	STATE, FUND FINANCED	02/01/85
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	01/18/89

RCRA CORRECTIVE ACTION REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 14221CA

EPA ID #: CA0210020780

**Site: USARMY SACRAMENTO DEPOT
Address: FRUITRIDGE RD
City: SACRAMENTO**

Zip Code: 95813

County Name: SACRAMENTO

**Facility Type:
LARGE QUANTITY
TREATMENT/STORAGE/DISPOSAL**

EPA Events at the Site

**RCRA FACILITY INVESTIGATION IMPOSED
CORRECTIVE MEASURE STUDY IMPOSED**

=====

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 14221R

EPA ID Number: CA0210020780

Facility: USARMY SACRAMENTO DEPOT

Address: FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95813

County: SACRAMENTO

Owner Name: SACRAMENTO ARMY DEPOT

Ownership Status: FEDERAL

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163882623

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation - TREATMENT/STORAGE/DISPOSAL

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 14246R

EPA ID Number: CA1210490412

Facility: 820 ENGR BN CO D
Address: 8376 FRUITRIDGE RD
City: SACRAMENTO

Zip Code: 95813

County: SACRAMENTO

Owner Name: U S ARMY
Ownership Status: FEDERAL

Facility Contact: ENVIRONMENTAL MANAGER
Telephone: 9163882337

RCRA Facility Designations

Generator Type - SMALL QUANTITY
TSD Notation -
Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:
Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:
TSD Closure/Post Closure Actions:
TSD Financial Requirements:
TSD Land-Ban Requirements:
TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 15982R

EPA ID Number: CAD009189457

Facility: PROCTOR & GAMBLE MFG CO

Address: FRUITRIDGE & POWER INN RDS

City: SACRAMENTO

Zip Code: 95813

County: SACRAMENTO

Owner Name: PROCTER & GAMBLE MANUFACTURING COMPANY

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163833800

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 15985R

EPA ID Number: CAD009198334

Facility: PACIFIC CORRUGATED PIPE CO

Address: 5999 POWER INN ROAD

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: W E HALL COMPANY

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163834891

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 16281R

EPA ID Number: CAD010979789

Facility: COM-STRUCT INTL

Address: 8600 23RD AVE

City: SACRAMENTO

Zip Code: 95832

County: SACRAMENTO

Owner Name: CARLSBERG CORPORATE CENTER

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163812771

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 16692R

EPA ID Number: CAD029050697

Facility: SKALISKY COMPANY

Address: 8565 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95828

County: SACRAMENTO

Owner Name: SKALISKY ED OWNER

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163837314

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 16959R

EPA ID Number: CAD040482952

Facility: VALLEY NAIL SUPPLY CO

Address: 5400 POWER INN RD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: PATRICK LAPSYS

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163816300

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 17326R

EPA ID Number: CAD046816922

Facility: TRI-STATE TANK WEST

Address: 8135 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: KIRBY FLEMING

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9165833318

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 17536R

EPA ID Number: CAD051181394

Facility: GENERAL ELECTRIC COMPANY

Address: 8516 FRUITRIDGE ROAD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: GENERAL ELECTRIC COMPANY

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163834986

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type - TRANSPORTER - UNKNOWN STATUS

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 21596R

EPA ID Number: CAD981368178

Facility: CALIF STATE OC MEASUREMENT STND

Address: 8500 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: EQUITEC PROPERTIES

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163665119

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 22867R

EPA ID Number: CAD981389968

Facility: PG&E SACRAMENTO SERVICE CENTER

Address: 5555 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: PG&E

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163865119

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 24368R

EPA ID Number: CAD981417710

Facility: WICKLAND OIL/REGAL STATION #517

Address: 7900 FRUITRIDGE ROAD

City: SACRAMENTO

Zip Code: 95820

County: SACRAMENTO

Owner Name: WICKLAND OIL COMPANY

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9169211100

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 25468R

EPA ID Number: CAD981439425

Facility: M & P TRUCK & AUTO REPAIR

Address: 5743 POWER INN RD

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: WANR MICHAEL

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163816686

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 25854R

EPA ID Number: CAD981446255

**Facility: M&P TRUCK & AUTO
Address: 5743 POWER INN RD
City: SACRAMENTO**

Zip Code: 95824

County: SACRAMENTO

**Owner Name: MIKE WARD
Ownership Status: PRIVATE**

**Facility Contact: ENVIRONMENTAL MANAGER
Telephone: 9163816686**

RCRA Facility Designations

**Generator Type - LARGE QUANTITY
TSD Notation -
Transporter Type -**

RCRA Violation Flags

**For the following RCRA Violation categories a YES notation is
referencing the fact that the facility has had (1) or more reported
violations in that category.**

**Generator Requirements:
Generator Land-Ban Requirements:**

Transporter Requirements:

**TSD Groundwater Requirements:
TSD Closure/Post Closure Actions:
TSD Financial Requirements:
TSD Land-Ban Requirements:
TSD Other Violations:**

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 32149R

EPA ID Number: CAD981693534

Facility: BROWNING FERRIS IND OF CAL INC

Address: 8548 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95828

County: SACRAMENTO

Owner Name: BROWNING FERRIS IND

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163811500

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 35069R

EPA ID Number: CAD982010399

Facility: SHANAHANS AUTO BODY

Address: 5715 A POWERINN RD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: JACKSON PROPERTIES

Ownership Status: PRIVATE

Facility Contact: DENNIS SHANAHAN

Telephone: 9163817964

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 35799R

EPA ID Number: CAD982023665

Facility: AIR PRODUCTS AND CHEMICALS INC

Address: 5025 83RD ST

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: AIR PRODUCTS & CHEMICALS

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 2154815154

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 37711R

EPA ID Number: CAD982058547

Facility: UNOCAL SVC STA #6239

Address: 8098 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: UNION OIL CO OF CALIF
Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER
Telephone: 4159457676

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT
TSD Notation -
Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:
Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:
TSD Closure/Post Closure Actions:
TSD Financial Requirements:
TSD Land-Ban Requirements:
TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 40113R

EPA ID Number: CAD982349979

Facility: EMMICK ENT

Address: 5877 POWER INN RD

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: LINDA EMMICK

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163838823

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 40151R

EPA ID Number: CAD982350431

Facility: ARTIES AUTOMOTIVE

Address: 4900 #130 WAREHOUSE WAY

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: ARTIE SHANROCK

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9163815233

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 40939R

EPA ID Number: CAD982372310

Facility: ELDER CREEK ELEM SCHOOL

Address: 79344 LEMON HILL AVE

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: SAC CITY UNIF SCFHOO L DISTRICT

Ownership Status: DISTRICT

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164410930

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 40966R

EPA ID Number: CAD982372799

Facility: ELDER CREEK CHILD CTR

Address: 7800 LEMON HILL AVE

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: SAC CITY UNIF S DIST

Ownership Status: DISTRICT

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164410930

RCRA Facility Designations

Generator Type - CONDITIONALLY EXEMPT

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 42136R

EPA ID Number: CAD982462715

Facility: RADIATOR SPECIALTIES #6

Address: 6161 POWER INN RD

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: JOHN BOYD

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164516002

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 46166R

EPA ID Number: CAT080025828

Facility: PACIFIC BELL

Address: 8180 INDUSTRIAL PARKWAY

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: YOLO CAR & TRAILER EXCHANGE INC

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164850997

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type - TRANSPORTER - UNKNOWN STATUS

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 46169R

EPA ID Number: CAT080025851

Facility: PACIFIC BELL

Address: 8181 INDUSTRIAL PARKWAY

City: SACRAMENTO

Zip Code: 95821

County: SACRAMENTO

Owner Name: ED & HE DONALDSON

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164850997

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type - TRANSPORTER - UNKNOWN STATUS

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 46457R

EPA ID Number: CAT080029283

Facility: PACIFIC BELL

Address: 8295 FRUITRIDGE

City: SACRAMENTO

Zip Code: 95826

County: SACRAMENTO

Owner Name: THE PACIFIC TELEPHONE AND TELEGRAPH CO

Ownership Status: PRIVATE

Facility Contact: ENVIRONMENTAL MANAGER

Telephone: 9164850997

RCRA Facility Designations

Generator Type - LARGE QUANTITY

TSD Notation -

Transporter Type - TRANSPORTER - UNKNOWN STATUS

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 48197R

EPA ID Number: CAD983592080

Facility: BUZZ OATES ENTERPRIZES

Address: 8615 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95828

County: SACRAMENTO

Owner Name: TROY ZEITLER

Ownership Status: PRIVATE

Facility Contact: ZEITLER TROY

Telephone: 9163813600

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 48233R

EPA ID Number: CAD983592734

**Facility: MONTGOMERY MARBLE CO
Address: 6097 POWER INN RD
City: SACRAMENTO**

Zip Code: 95824

County: SACRAMENTO

**Owner Name: JIM MONTGOMERY
Ownership Status: PRIVATE**

**Facility Contact: JIM MONTGOMERY
Telephone: 9163831563**

RCRA Facility Designations

**Generator Type - SMALL QUANTITY
TSD Notation -
Transporter Type -**

RCRA Violation Flags

**For the following RCRA Violation categories a YES notation is
referencing the fact that the facility has had (1) or more reported
violations in that category.**

**Generator Requirements:
Generator Land-Ban Requirements:**

Transporter Requirements:

**TSD Groundwater Requirements:
TSD Closure/Post Closure Actions:
TSD Financial Requirements:
TSD Land-Ban Requirements:
TSD Other Violations:**

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 49777R

EPA ID Number: CAD983609280

Facility: SIERRA SPRING WATER

Address: 8631 YOUNGER CREEK DR

City: SACRAMENTO

Zip Code: 958281024

County: SACRAMENTO

Owner Name: ANJOU INTERNATIONAL

Ownership Status: PRIVATE

Facility Contact: ANNE CURTIS

Telephone: 9163837873

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 50227R

EPA ID Number: CAD983616350

Facility: MARTECH USA INC

Address: 8540 YOUNGER CREEK DR 2

City: SACRAMENTO

Zip Code: 95828

County: SACRAMENTO

Owner Name: MARTECH USA INC

Ownership Status: PRIVATE

Facility Contact: TERRY GOODELL

Telephone: 9163878008

RCRA Facility Designations

Generator Type -

TSD Notation -

Transporter Type - TRANSPORTER - UNKNOWN STATUS

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 50466R

EPA ID Number: CAD983618869

Facility: E M C O ENTERPRISES INC

Address: 6750 FLORIN PERKINS RD

City: SACRAMENTO

Zip Code: 95828

County: SACRAMENTO

Owner Name: EMCO ENTERPRISES INC

Ownership Status: PRIVATE

Facility Contact: SCOT STETTLER

Telephone: 9163862100

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 50555R

EPA ID Number: CAD983619800

Facility: QUADRA COLOR

Address: 7917 FRUITRIDGE RD STE F

City: SACRAMENTO

Zip Code: 95820

County: SACRAMENTO

Owner Name: VINCE DELISI AND CHUCK POND

Ownership Status: PRIVATE

Facility Contact: BILL MAJOR

Telephone: 9163861204

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

RCRA NOTIFIER FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 51330R

EPA ID Number: CAD983635723

Facility: SHANAHANS AUTO BODY AND TOWING

Address: 8141 37TH AVE

City: SACRAMENTO

Zip Code: 95824

County: SACRAMENTO

Owner Name: DENNIS AND DEBBIE SHANAHAN

Ownership Status: PRIVATE

Facility Contact: DENNIS SHANAHAN

Telephone: 9163817964

RCRA Facility Designations

Generator Type - SMALL QUANTITY

TSD Notation -

Transporter Type -

RCRA Violation Flags

For the following RCRA Violation categories a YES notation is referencing the fact that the facility has had (1) or more reported violations in that category.

Generator Requirements:

Generator Land-Ban Requirements:

Transporter Requirements:

TSD Groundwater Requirements:

TSD Closure/Post Closure Actions:

TSD Financial Requirements:

TSD Land-Ban Requirements:

TSD Other Violations:

Corrective Action Requirements:

Formal Enforcement Actions:

FINDS FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: -18455F

EPA ID Number: CAD983592734

Facility: MONTGOMERY MARBLE COMPANY

Address: 6097 POWER INN RD

City: SACRAMENTO

State: CA

Zip Code: 95824

Date Of Last EPA Update: 910916

Standard Industrial Classification For Facility: 3281

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
TOXIC SUBSTANCES**

**-----
95824MNTGM6097P**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: -19979F

EPA ID Number: CAD983576711

Facility: PINE MOUNTAIN CORPORATION

Address: 6001 POWER INN RD.

City: SACRAMENTO

State: CA

Zip Code: 958242320

Date Of Last EPA Update: 910916

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
TOXIC SUBSTANCES**

**-----
95824PNMNT6001P**

CERCLIS

CAD983576711

FINDS FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: -20375F

EPA ID Number: CAD983572686

Facility: PROCTER & GAMBLE CO.

Address: FRUITRIGE & POWERINN

City: SACRAMENTO

State: CA

Zip Code: 95813

Date Of Last EPA Update: 910916

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
AIR & RADIATION**

**-----
0606760517**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 31362F

EPA ID Number: CAD981996408

Facility: PACOAST CHEMICAL CO

Address: 8120 37TH AVE

City: SACRAMENTO

State: CA

Zip Code: 95824

Date Of Last EPA Update: 910916

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
PESTICIDES & TOXIC SUBSTANCES**

**-----
011121**

FINDS FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3318F

EPA ID Number: CAD009189457

Facility: PROCTOR AND GAMBLE MANUFACTURING COMPANY

Address: 8201 FRUITRIDGE AND POWER INN RDS

City: SACRAMENTO

State: CA

Zip Code: 95826

Date Of Last EPA Update: 910227

Standard Industrial Classification For Facility: 2841 2869
2079

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

SOLID WASTE

CAD009189457

WATER ENFORCEMENT & PERMITS

CA0004316

PESTICIDES & TOXIC SUBSTANCES

03573CA01

TOXIC SUBSTANCES

0012625

TOXIC SUBSTANCES

95826PRCTR8201F

AIR & RADIATION

060670027

AIR & RADIATION

0606700517

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 41F

EPA ID Number: CA0210020780

Facility: USARMY SACRAMENTO ARMY DEPOT

Address: 8350 FRUITRIDGE RD ARMY DEPOT SITE

City: SACRAMENTO

State: CA

Zip Code: 95813

Date Of Last EPA Update: 910917

Standard Industrial Classification For Facility: 3662 4225
9199

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

CERCLIS

CA0210020780

WATER ENFORCEMENT & PERMITS

CA0110728

SOLID WASTE

CA0210020780

AIR & RADIATION

0606700002

FINDS FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 4F3

EPA ID Number: CA0213820780

Facility: USARMY SACRAMENTO ARMY DEPOT

Address: 8350 FRUITRIDGE RD

City: SACRAMENTO

State: CA

Zip Code: 95813

Date Of Last EPA Update: 920608

Standard Industrial Classification For Facility: 3662 4225
9199

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

SOLID WASTE

CA0210020780

SOLID WASTE

CA1210490412

WATER ENFORCEMENT & PERMITS

CA0110728

AIR & RADIATION

0606700002

CERCLIS

CA0210020780

PESTICIDES & TOXIC SUBSTANCES

890227CA001 1

TOXIC SUBSTANCES

CA0213820780

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 5576F

EPA ID Number: CAD041660325

Facility: METALLOY STEEL FOUNDRY

Address: 8588 THYS CT

City: SACRAMENTO

State: CA

Zip Code: 95813

Date Of Last EPA Update: 910227

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

AIR & RADIATION

0606700018

FINDS FACILITY REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 7209F3

EPA ID Number: CAD983602947

Facility: CENTRAL VALLEY CHEMICAL CORPORATION

Address: 8561 THYS CT

City: SACRAMENTO

State: CA

Zip Code: 95828

Date Of Last EPA Update: 920409

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
PESTICIDES & TOXIC SUBSTANCES**

**-----
I09#19900413NF00052**

PESTICIDES & TOXIC SUBSTANCES

**D09#09-0741-C-90-50
=====**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 8902F

EPA ID Number: CAD076125855

Facility: CALIFORNIA ANALYTICAL LABORATO

Address: 5895 POWER INN RD

City: SACRAMENTO

State: CA

Zip Code: 95824

Date Of Last EPA Update: 850208

EPA PROGRAM OFFICE LISTING FOR FACILITY

ID NUMBER

**-----
STATE PROGRAM**

**-----
CAD076125855
=====**

RESPONSIBLE PARTY-LEAD SITE CLEANUP WORKPLAN

PALM IRON AND BRIDGE WORKS

Site Information

Location and Type of Site
8845 Elder Creek Road
Sacramento, CA 95828
Sacramento

The Palm Iron facility fabricates steel beams for building construction and other industrial purposes. Approximately 25 percent of the fabricated steel is painted. Primer is used for 90 to 95 percent of the painting operations.

Description of Hazardous Wastes

Soil and paint samples were analyzed for heavy metals. The primary contaminants include barium, lead and zinc. Additional heavy metals detected in measurable concentrations are arsenic, cadmium, cobalt, copper, chromium, nickel and selenium.

Threat to Public Health and Environment

Heavy metal contamination of the soil has been detected in the paint area. The paint area is flat and unpaved. Water runoff is collected outside the site borders in drainage ditches, enlarging the contaminated area.

Site Status

Status of Site Activity

A feasibility study is in progress.

Projected Revenue Sources

DHS will be issuing a remedial action order or entering into an enforceable agreement with the responsible parties. DHS has budgeted \$50,000 for oversight/monitoring of cleanup efforts. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The responsible parties will pay all costs associated with remedial investigations and cleanup activities.

Project Completion Estimates

The estimates shown below reflect completion of major site cleanup phases based on current information regarding this site and responsible party cleanup plans and completed actions.

Task Group	Estimated Completion
Site Characterization	
Remedial Action Order	July 1991
Remedial Investigation/ Feasibility Study	Dec. 1992
Remedial Action Plan	Mar. 1993
Remedial Action	
Design	June 1993
Implementation	Dec. 1993
Certification	Feb. 1994
Cost Recovery and/or Operation and Maintenance	
Cost Recovery	Feb. 1995
Operation and Maintenance	N/A

NAP STATUS: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)
NAP NUMBER: 34008983

THE DEGREE OF HEALTH HAZARD POSED BY CHEMICAL CONTAMINATION OF A SITE DEPENDS ON THE CONCENTRATION OF THE MATERIAL PRESENT AND THE DURATION OF EXPOSURE. DHS POLICY IS TO EVALUATE ALL LISTED HAZARDOUS SUBSTANCE RELEASE SITES FOR THE NEED TO TAKE ACTION TO ABATE ANY ACUTE PUBLIC HEALTH OR ENVIRONMENTAL THREATS POSED BY A SITE. THEREFORE, THE THREATS DESCRIBED IN THIS DOCUMENT GENERALLY REPRESENT THE POTENTIAL IMPACT OF LONG-TERM EXPOSURE TO SPECIFIC HAZARDOUS SUBSTANCES IF: 1) THE SITE IS NOT ABATED, 2) THE SUBSTANCES MIGRATE OFFSITE, AND 3) THE SUBSTANCES AT SOME POINT COME INTO CONTACT WITH HUMAN OR ENVIRONMENTAL RECEPTORS.

FEDERAL FACILITY SITE CLEANUP WORKPLAN

SACRAMENTO AD-OTHER

Site Information

Location and Type of Site
Power Inn & Fruitridge Rds.
Sacramento, CA 95813-5052
Sacramento

The Depot contains 395 acres of land utilized for industrial activities which include repair and modification of Army electronic equipment. Contaminated areas on the Depot include areas that contribute to the ground water contamination and various other soil contaminated areas. Soil contamination exists in the oxidation lagoons, burn pits, Old Morrison Creek, the pesticide mix area and underground Tank 2.

Description of Hazardous Wastes

Hazardous contaminants found in the soil include the organic solvents, trichloroethylene (TCE), tetrachloroethylene (PCE), and the heavy metals lead and cadmium. DDT was also detected in one sample.

Threat to Public Health and Environment

Known soil contamination exists in three areas on the Depot. These areas are not being used and any human contact is unlikely.

Site Status

Status of Site Activity

The Sacramento Army Depot was placed on the NPL in July, 1987. The Depot is currently developing a remedial investigation/feasibility study work plan. Eight fuel and hazardous waste underground tanks have been removed. EPA, DHS and the Depot are negotiating an interagency agreement.

Projected Revenue Sources

The Department of Defense appropriates federal funds for site characterization and remedial action. State funds may be used for oversight activities. The Department has budgeted \$100,000 for private consultant assistance to DHS oversight staff. DHS will seek funding from EPA and cost recovery stipulated through the interagency agreement or the remedial action order process.

Project Completion Estimates

The schedule shown below is projected by the DIIS staff based on current status of cleanup activities and other information developed by the EPA and the military.

Task Group	Estimated Completion
Site Characterization	
Remedial Action Order	Dec. 1989
Remedial Investigation/Feasibility Study	Dec. 1990
Remedial Action Plan	Aug. 1991
Remedial Action	
Design	Aug. 1992
Implementation	Feb. 1994
Certification	June 1994
Cost Recovery and/or Operation and Maintenance	
Cost Recovery	June 1995
Operation and Maintenance	20+ yrs

NP STATUS: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)
IAP NUMBER: 322SF

THE DEGREE OF HEALTH HAZARD POSED BY CHEMICAL CONTAMINATION OF A SITE DEPENDS ON THE CONCENTRATION OF THE MATERIAL PRESENT AND THE DURATION OF EXPOSURE. THIS POLICY IS TO EVALUATE ALL LISTED HAZARDOUS SUBSTANCE RELEASE SITES FOR THE NEED TO TAKE ACTION TO ABATE ANY ACUTE PUBLIC HEALTH OR ENVIRONMENTAL THREATS POSED BY A SITE. THEREFORE, THE THREATS DESCRIBED IN THIS DOCUMENT GENERALLY REPRESENTS THE POTENTIAL IMPACT OF LONG-TERM EXPOSURE TO SPECIFIC HAZARDOUS SUBSTANCES IF: 1) THE SITE IS NOT ABATED, 2) THE SUBSTANCES MIGRATE OFFSITE, AND 3) THE SUBSTANCES AT SOME POINT COME INTO CONTACT WITH HUMAN OR ENVIRONMENTAL RECEPTORS.

FEDERAL FACILITY SITE CLEANUP WORKPLAN

SACRAMENTO AD-SW AREA

Site Information

Location and Type of Site
Power Inn & Fruitridge Roads
Sacramento, CA 95813-5052
Sacramento

The Depot contains 395 acres of land utilized for industrial activities which include repair and modification of Army electronic equipment. Contaminated areas on the Depot include the oxidation lagoons and burn pit source areas that contribute to the ground water contamination and various other areas with soil contamination. Ground water contamination by solvents exists in the South West (SW) portion of the Depot.

Description of Hazardous Wastes

Ground water contamination includes the organic solvents: trichloroethylene (TCE) at 120 parts per billion (ppb), trans-1,2 dichloroethane (DCE) at 22 ppb, and tetrachloroethylene (PCE) at 17 ppb. The State Action Levels are 5 ppb for TCE, 16 ppb for DCE and 4 ppb for PCE.

Threat to Public Health and Environment

Known ground water contamination exists at this site. Ground water is located at approximately 80 feet. Contaminated ground water has migrated offsite where two domestic wells are located which have shown TCE above action levels.

Site Status

Status of Site Activity

The Sacramento Army Depot was placed on the NPL in July, 1987. The Depot is currently in Phase II of the installation restoration program (IRP) process, environmental monitoring and verifying the presence of contamination. Currently an operable unit interim remedial measure for ground water extraction in the SW Area is being developed. A work plan for the final phase of the RI/FS investigation is being developed for regulatory agencies review and approval. Eastman Products and Elise Co., located southwest of the Depot, were provided with bottled water in October, 1987 and March, 1988. Eight fuel and hazardous waste

underground tanks have been removed. Currently DIIS, EPA and the Depot are negotiating an interagency agreement to facilitate cooperation and establish a procedural framework and schedule for response actions at the Depot.

Projected Revenue Sources

The Department of Defense appropriates federal funds for site characterization and remedial action. State funds may be used for oversight activities. The Department has budgeted \$100,000 for private consultant assistance to DHS oversight staff. DHS will seek funding from EPA and cost recovery stipulated through the interagency agreement or the remedial action order process.

Project Completion Estimates

The schedule shown below is projected by the DHS staff based on current status of cleanup activities and other information developed by the military.

Task Group	Estimated Completion
Site Characterization	
Remedial Action Order	Dec. 1989
Remedial Investigation/ Feasibility Study	Dec. 1990
Remedial Action Plan	Aug. 1991
Remedial Action	
Design	Aug. 1992
Implementation	Feb. 1994
Certification	June 1994
Cost Recovery and/or Operation and Maintenance	
Cost Recovery	June 1995
Operation and Maintenance	20+ yrs

AP STATUS: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)
AP NUMBER: 323SF

THE DEGREE OF HEALTH HAZARD POSED BY CHEMICAL CONTAMINATION OF A SITE DEPENDS ON THE CONCENTRATION OF THE MATERIAL PRESENT AND THE DURATION OF EXPOSURE. DHS POLICY IS TO EVALUATE ALL LISTED HAZARDOUS SUBSTANCE RELEASE SITES FOR THE NEED TO TAKE ACTION TO ABATE ANY ACUTE PUBLIC HEALTH OR ENVIRONMENTAL THREATS POSED BY A SITE. THEREFORE, THE THREATS DESCRIBED IN THIS DOCUMENT GENERALLY REPRESENTS THE POTENTIAL IMPACT OF LONG-TERM EXPOSURE TO SPECIFIC HAZARDOUS SUBSTANCES IF: 1) THE SITE IS NOT ABATED, 2) THE SUBSTANCES MIGRATE OFFSITE, AND 3) THE SUBSTANCES AT SOME POINT COME INTO CONTACT WITH HUMAN OR ENVIRONMENTAL RECEPTORS.

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34001963

State ID Number: 34001963

Facility Address: 8350 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: Y (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity: Y

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---: Y

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite: Y

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34002071

State ID Number: 34002071

Facility Address: 8588 THYS CT

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34008610

State ID Number: 34008610

Facility Address: POWER INN & FRUITRIDGE ROADS

City: SACRAMENTO

Zip Code: 95813

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE: Y

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34008320

State ID Number: 34008320

Facility Address: PO BOX 41179

City: SACRAMENTO

Zip Code: 95841

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34008671

State ID Number: 34008671

Facility Address: P.O. BOX 964

City: SACRAMENTO

Zip Code: 95812

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34009136

State ID Number: 34009136

Facility Address: PO BOX 22522

City: SACRAMENTO

Zip Code: 95831

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34009390

State ID Number: 34009390

Facility Address: PO BOX 8245

City: SACRAMENTO

Zip Code: 95818

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facili :

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
CALSITE & STATE BOND FACILITIES**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34009403

State ID Number: 34009403

Facility Address: PO BOX 13498

City: SACRAMENTO

Zip Code: 95815

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 s)

AGT25 - (Air) Emissions Data System----: (More than 25 s)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY REPORT
LANDFILL/SOLID WASTE DISPOSAL SITE REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005921

State ID Number: 34005921

Facility Address: 8635 FRUITRIDGE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site:

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----: Y

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE: Y

WDSE - Waste discharging facility with an enforcement history:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 1274S2

Report Number: 92-2905

Date Spill Was Reported: 03/03/1992

Date Of Spill: 03/02/1992

Spill Location:

FRUITRIDGE RD, BETWEEN HEDGE & SO WATT AVE

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

OIL SUBSTANCE 00000060.00 GALLONS
UNKNOWN

Environments Possibly Effected By The Spill:
DRAINAGE DITCH

Agencies Notified Of Spill:

Action Taken: UNKNOWN

Description:

Comments:

Potentially Responsible Party Information=====

PRP: UNKNOWN

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 3383S0

Report Number: 20708

Date Spill Was Reported: 05/06 1990

Date Of Spill: 05/05 1990

Spill Location:
4421 FLORIN RD.

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

GASOLINE: AUTOMOTIVE (4.23G PB/G 00000003.00 Gallons

Environments Possibly Effected By The Spill:
LAND

Agencies Notified Of Spill: NONE

Action Taken: USED SORBENTS TO CLEAN SPILL

Description: PERSON DROVE OFF WITH THE GAS NOZZLE IN THEIR CAR

Comments:

Potentially Responsible Party Information=====

PRP: ARCO PETRO. PRODUCTS
P.O. BOX 5811
SAN MATEO
CA 94402

Telephone: 415-571-2429

HAZARDOUS MATERIAL SPILL REPORT

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 3508S9

Report Number: 89-547

Date Spill Was Reported: 02/09 1989

Date Of Spill: 02/09 1989

**Spill Location:
4400 FLORIN PERKINS RDS**

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

DIESEL 00000030.00 Gallons

**Environments Possibly Effected By The Spill:
STORM DRAIN**

Agencies Notified Of Spill:

Action Taken: NO RECOVERY DUE TO HEAVY RAINS

Description: FUEL TANK RUPTURED

Comments: CAOES-89-04816

Potentially Responsible Party Information=====

PRP: AJAX TRUCKING

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3034S1

Report Number: 91-4525

Date Spill Was Reported: 06/12/1991

Date Of Spill: 06/12/1991

Spill Location:
SKY CREEK DR & YOUNGER CREEK DR.

City: SACRAMENTO

Zip Code: 95828-

County: SACRAMENTO

Material And Amount Spilled

UNKNOWN POSSIBLY ASBESTOS 00000001.00 OTHER
UNKNOWN

Environments Possibly Effected By The Spill:
NONE

Agencies Notified Of Spill:
CAOES #17470/FD/CODOH/DFG/RWQCB

Action Taken: * WHEN TESTED. / CLEANUP BY WASTE MANAGEMENT

Description: QUANTITY = 1 CUBIC YARD

Comments:

Potentially Responsible Party Information=====

PRP: UNKNOWN

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3253S8

Report Number: 88-3087

Date Spill Was Reported: 09/07 1988

Date Of Spill: 09/07 1988

Spill Location:
85551 THYS COURT UNIT C

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

RED DYE UNKNOWN Other

Environments Possibly Effected By The Spill:
MORRISON CRK/ SAC. RIVER

Agencies Notified Of Spill:

Action Taken:

Description: UNK. QT. / ILLEGAL DUMPING

Comments: CAOES :#88-2788-CM

Potentially Responsible Party Information=====

PRP: UNK.

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3326S7

Report Number: 16310

Date Spill Was Reported: 12/31 1987

Date Of Spill: 12/31 1987

Spill Location:
BARRELS STORED BEHIND FACILITY

City:

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

MEK UNKNOWN Amount

ASSORTED CHEMICALS 00000150.00 Gallons

Environments Possibly Effected By The Spill:
SOIL

Agencies Notified Of Spill:

Action Taken:

Description: 100 55 GALLON BARRELS OF ASSORTED CHEMICALS WERE

Comments: BARRELS CAN BE SEEN AGAINST FENCE FROM RD.

Potentially Responsible Party Information=====

PRP: GELCO
8565 ELDER CREEK ROAD
SACRAMENTO
CA 958280000

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3350S7

Report Number: 87-2237

Date Spill Was Reported: 03/23 1987

Date Of Spill: 03/23 1987

Spill Location:

(RP)PROCTOR & GAMBLE(SCALLAY)

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

SULFURIC ACID 00000025.00 Gallons

Environments Possibly Effected By The Spill:

Agencies Notified Of Spill:

CFG/WQCB/SACTO-HAZ MAT/CO-DOH

Action Taken: SACTO-CO HAZMAT = O/S - RP = C/U.

Description: VALVE MALFUNCTION/W/IN FACILITY

Comments:

Potentially Responsible Party Information=====

PRP: (RP)PROCTOR & GAMBLE(SCALLAY)

8201 FRUITRIDGE RD

SACRAMENTO

CA

Telephone: 916-383-3800

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3409S0

Report Number: 37790

Date Spill Was Reported: 08/31 1990

Date Of Spill: 08/27 1990

Spill Location:
8201 FRUITRIDGE RD

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

CAUSTIC LODA solution 00000005.00 Gallons

Environments Possibly Effected By The Spill:
UNKNOWN

Agencies Notified Of Spill: NONE

Action Taken:

Description: CARGO TANK/DRIVER DISCONNECTED HOSE, PRESSURE IN LINE
CAUSED A BACKUP

Comments: DRIVER WAS HOSPITALIZED WITH 2nd DEGREE BURNS ON FACE AND
LEGS.

Potentially Responsible Party Information=====

PRP: CALIFORNIA TANK LINES
PO BOX 6245
STOCKTON
CA 95206

Telephone: 209-466-3554

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3421S0

Report Number:

Date Spill Was Reported:

Date Of Spill:

Spill Location:

City: SACRAMENTO

Zip Code: 95826-

County: SACRAMENTO

Material And Amount Spilled

FOOT (ORGANIC OIL) 00023000.00

Environments Possibly Effected By The Spill:

NONE

Agencies Notified Of Spill:

Action Taken:

Description:

Comments:

Potentially Responsible Party Information=====

PRP: PROCTOR & GAMBLE
8201 FRUITRIDGE RD.
SACRAMENTO
CA 95826-

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3422S0

Report Number:

Date Spill Was Reported:

Date Of Spill:

Spill Location:

City: SACRAMENTO

Zip Code: 95826-

County: SACRAMENTO

Material And Amount Spilled

HYDROGEN 00000450.00

Environments Possibly Effected By The Spill:

NONE

Agencies Notified Of Spill:

Action Taken:

Description:

Comments:

Potentially Responsible Party Information=====

PRP: PROCTOR & GAMBLE
8201 FRUITRIDGE RD.
SACRAMENTO
CA 95826-

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3435S2

Report Number: 92-4563

Date Spill Was Reported: 06/09/1992

Date Of Spill: 06/09/1992

Spill Location:
5025 83RD ST

City: SACRAMENTO

Zip Code: 95826-

County: SACRAMENTO

Material And Amount Spilled

OIL 00000030.00 GALLONS
UNKNOWN

Environments Possibly Effected By The Spill:
STORM DRAIN

Agencies Notified Of Spill:

Action Taken: CLEANUP BY AIR PRODUCT

Description:

Comments:

Potentially Responsible Party Information=====

PRP: UNKNOWN

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3436S0

Report Number:

Date Spill Was Reported:

Date Of Spill:

Spill Location:

City: SACRAMENTO

Zip Code: 95828-

County: SACRAMENTO

Material And Amount Spilled

HYDROCHLORIC ACID UNKNOWN

Environments Possibly Effected By The Spill:
SEWER SYSTEM & GROUND WATER

Agencies Notified Of Spill:

Action Taken:

Description:

Comments:

Potentially Responsible Party Information=====

PRP: A&A CONCRETE SUPPLY
8272 BERRY AVENUE
SACRAMENTO
CA 95828-

Telephone: 916-383-3756

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3493S9

Report Number: 89-13

Date Spill Was Reported: 01/04 1989

Date Of Spill: 01/04 1989

**Spill Location:
FRUITRIDGE RD & POWER INN RD**

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

DIESEL 00000060.00 Gallons

**Environments Possibly Effected By The Spill:
STORM DRAIN**

Agencies Notified Of Spill:

Action Taken:

Description:

Comments: CAOES-89-04303

Potentially Responsible Party Information=====

PRP: UNK

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3497S9

Report Number: 89-289

Date Spill Was Reported: 01/11 1989

Date Of Spill: 01/11 1989

Spill Location:
8543 UNSWORTH AVE

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

WASTE OIL 00001540.00 Gallons

Environments Possibly Effected By The Spill:

Agencies Notified Of Spill:

CF&G

Action Taken:

Description: VACANT LOT ABANDONED DRUMS

Comments: CAOES-89-04453

Potentially Responsible Party Information=====

PRP: UNK

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3528S9

Report Number: 89-1593

Date Spill Was Reported: 04/11 1989

Date Of Spill: 04/11 1989

Spill Location:
UDEYS TRUCK REPAIR D SOZZI

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

PROPANE UNKNOWN Other

ARGON Other

ACETYLENE Other

Environments Possibly Effected By The Spill:

Agencies Notified Of Spill:

Action Taken:

Description: QT=UNK 10 CYLINDERS TOTAL

Comments: CAOES-89-05588

Potentially Responsible Party Information=====

PRP: UDEYS TRUCK REPAIR D SOZZI
8536 ELDER CREEK RD
SACRAMENTO
CA 95828

Telephone: 916-486-4950

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3544S9

Report Number: 89-2240

Date Spill Was Reported: 06/16 1989

Date Of Spill: 06/16 1989

Spill Location;
4600 WATT AVE

City: SACRAMENTO

Zip Code: 95826-

County: SACRAMENTO

Material And Amount Spilled

CHLORINE GAS UNKNOWN Other

Environments Possibly Effected By The Spill:
NONE

Agencies Notified Of Spill:

Action Taken: AREA VENTILATED

Description: QT=1 QUART

Comments: CAOES-89-06591

Potentially Responsible Party Information=====

PRP: MOTEL 6
4600 WATT AVE
SACRAMENTO
CA 95826-

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3564S9

Report Number: 89-3705

Date Spill Was Reported: 09/19 1989

Date Of Spill: 09/18 1989

Spill Location:
7896 33RD ST

City: SACRAMENTO

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

ETHER 00000005.00 Gallons
SODIUM METAL 00000001.00 Pounds
MURIATIC ACID 00000001.00 Gallons

Environments Possibly Effected By The Spill:
NONE

Agencies Notified Of Spill:

Action Taken:

Description: DRUG LAB BUST AT ABOVE ADDRESS

Comments: CAOES-89-07952/*ETHYL ACETATE 32 OZ/PAINT THINNER 1/2 GAL/4
HYDROGEN C

Potentially Responsible Party Information=====

PRP: UNK

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 3794S1

Report Number: 91-5249

Date Spill Was Reported: 07/25/1991

Date Of Spill: 07/25/1991

Spill Location:
ONE BLUE SKY COURT

City: SACRAMENTO

Zip Code: 95828-

County: SACRAMENTO

Material And Amount Spilled

CYCLOHEXYLAMINE 00000030.00 GALLONS
UNKNOWN

Environments Possibly Effected By The Spill:
STORM DRAIN

Agencies Notified Of Spill:

CAOES #18242/DFG/RWQCB/OSPR/FD

Action Taken: 29 GAL REMAIN IN TRUCK & 1 GAL WENT INTO A STORM DR,
ABSORBANT MAT'L A

Description: 30 GAL DRUM

Comments:

Potentially Responsible Party Information=====

PRP: R. LANG CO.
ONE BLUE SKY COURT
SACRAMENTO
CA 95828-

Telephone: 916-387-1030

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 5980S1

Report Number: 92-0895

Date Spill Was Reported: 11/07/1991

Date Of Spill: 11/06/1991

**Spill Location:
8588 THYS CT**

City: SACRAMENTO

Zip Code: 95828-

County: SACRAMENTO

Material And Amount Spilled

**PCB UNKNOWN UNKNOWN
UNKNOWN UNKNOWN**

**Environments Possibly Effected By The Spill:
UNKNOWN**

Agencies Notified Of Spill:

CAOES #20189/FD/PD/DFG/RWQCB/DHS ST

**Action Taken: FD/PD/DFG ON SCENE, CODOH ARRANGING CLEANUP, HAZCAT BY
FD**

Description: ABANDONED FACTORY, CHEMICALS ALL OVER

Comments:

Potentially Responsible Party Information=====

**PRP: METALLOY INC.
8588 THYS CT
SACRAMENTO
CA 95828-**

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 608S1

Report Number: 91-2273

Date Spill Was Reported: 02/04/1991

Date Of Spill: 02/03/1991

Spill Location:
8360 ELDER CREEK RD (INDUSTRIAL AREA)

City: SACRAMENTO

Zip Code: 95828-

County: SACRAMENTO

Material And Amount Spilled

PROPANE UNKNOWN OTHER
UNKNOWN

Environments Possibly Effected By The Spill:
STORM DRAIN INTO MORRISON CREK

Agencies Notified Of Spill:
CAOES #15254/DFG/RWQCB/LANDS

Action Taken: FD & PD ON SCENE. CLOSED VALVE.

Description: QUANTITY = 3,000 CU FT.

Comments: FD DETERMINED THAT READINGS REFLECT NO DANGER TO WATER
SUPPLY

Potentially Responsible Party Information=====

PRP: UNKNOWN

Telephone:

HAZARDOUS MATERIAL SPILL REPORT

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 3447S9

Report Number: 01918

Date Spill Was Reported: 02/09 1989

Date Of Spill: 02/09 1989

**Spill Location:
WEST DITCH ON BOUNDARY OF BASE**

City:

Zip Code:

County: SACRAMENTO

Material And Amount Spilled

UNKNOWN OIL SHEEN UNKNOWN Amount

**Environments Possibly Effected By The Spill:
WEST DITCH**

Agencies Notified Of Spill: CA OES, COUNTY

Action Taken: LOCAL AGENCIES O/S AND INVESTIGATING SOURCE

Description: UNKNOWN/UNKNOWN INVESTIGATING SOURCE OF SHEEN

Comments:

Potentially Responsible Party Information=====

PRP:

Telephone:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34000922

State ID Number: 34000922

Facility Address: 8780 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95821

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34005279

State ID Number: 34005279

Facility Address: 4400 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34005567

State ID Number: 34005567

Facility Address: 8766 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34000052

State ID Number: 34000052

Facility Address: 8301 FRUITRIDGE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---: Y

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34000579

State ID Number: 34000579

Facility Address: 5999 POWER INN RD

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34001001

State ID Number: 34001001

Facility Address: 8295 FRUITRIDGE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite: Y

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34001433

State ID Number: 34001433

Facility Address: 8201 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95813

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: Y (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite: Y

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34001718

State ID Number: 34001718

Facility Address: 8536 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34001963

State ID Number: 34001963

Facility Address: 8350 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: Y (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----: Y

DTSCD - A facility with STATE enforcement activity: Y

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---: Y

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite: Y

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34002229

State ID Number: 34002229

Facility Address: 5555 FLORIN PERKINS RD

City: SACRAMENTO

Zip Code: 95670

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite: Y

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34002813

State ID Number: 34002813

Facility Address: 7900 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95820

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34003467

State ID Number: 34003467

Facility Address: 8732 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34003664

State ID Number: 34003664

Facility Address: 8720 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 0

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility: Y

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---: Y

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004526

State ID Number: 34004526

Facility Address: 8550 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 0

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system: Y

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---: Y

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004658

State ID Number: 34004658

Facility Address: 5294 083RD ST

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004671

State ID Number: 34004671

Facility Address: 6101 SKY GREEK DR

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004677

State ID Number: 34004677

Facility Address: 8435 024TH AVE

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility---:-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004697

State ID Number: 34004697

Facility Address: 5601 WILKINSON ST

City: SACRAMENTO

Zip Code: 95827

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004748

State ID Number: 34004748

Facility Address: 8150 037TH AVE

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004845

State ID Number: 34004845

Facility Address: 7899 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004860

State ID Number: 34004860

Facility Address: 8131 037TH AVE

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004894

State ID Number: 34004894

Facility Address: 4841 083RD ST

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34004912

State ID Number: 34004912

Facility Address: 8180 SIGNAL CT

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITS MAPPED (REFER TO MAP #)

Map Number: 34004927

State ID Number: 34004927

Facility Address: 8585 THYS CT

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005008

State ID Number: 34005008

Facility Address: 5150 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005017

State ID Number: 34005017

Facility Address: 8201 ELDER CREEK RD

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005070

State ID Number: 34005070

Facility Address: 6211 POWER INN RD

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005073

State ID Number: 34005073

Facility Address: 5853 FLORIN PERKINS RD

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005093

State ID Number: 34005093

Facility Address: 8240 BERRY AVE

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005135

State ID Number: 34005135

Facility Address: 8139 036TH AVE

City: SACRAMENTO

Zip Code: 95824

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005195

State ID Number: 34005195

Facility Address: 5801 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005352

State ID Number: 34005352

Facility Address: 5555 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005541

State ID Number: 34005541

Facility Address: 8700 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005602

State ID Number: 34005602

Facility Address: 8455 024TH AVE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005631

State ID Number: 34005631

Facility Address: 8333 024TH AVE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005674

State ID Number: 34005674

Facility Address: 5321 084TH ST

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility perm d for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005692

State ID Number: 34005692

Facility Address: 6347 FLORIN-PERKINS RD

City: SACRAMENTO

Zip Code: 95828

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005826

State ID Number: 34005826

Facility Address: 8590 FRUITRIDGE RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005829

State ID Number: 34005829

Facility Address: 8120 035TH AVE

City: SACRAMENTO

Zip Code: 95820

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005852

State ID Number: 34005852

Facility Address: 8401 24TH AVE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005853

State ID Number: 34005853

Facility Address: 8400 024TH AVE

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 34005867

State ID Number: 34005867

Facility Address: 5201 FLORIN PERKINS RD

City: SACRAMENTO

Zip Code: 95826

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action: Y

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

**CALIFORNIA FACILITY INVENTORY
REGISTERED UNDERGROUND STORAGE TANK REPORT**

Map Status: LOCATION UNKNOWN - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: 34005823

State ID Number: 34005823

Facility Address: BLDG 245

City: SACRAMENTO

Zip Code: 95813

California Regulatory and Permit Coverage For The Facility

A "Y" Flag indicates the facility is under regulatory activity for the program office.

CORTESE FLAG - Facility appears in the CORTESE (cleanup) system:

A1025 - (Air) Emissions Data System----: (Less than 25 tons)

AGT25 - (Air) Emissions Data System----: (More than 25 tons)

AIRS - (Air) EPA Permitted AIR Facility:

CALNF - CALSITE facility no further action:

CALSI - An active CALSITE facility-----:

DTSCD - A facility with STATE enforcement activity:

FDOCK - A facility with EPA enforcement activity--:

HWIS - State permitted hazardous waste facility:

IUR - Chemical manufacturer in the Inventory Update report:

LTANK - Leaking UST at the site---:

UTANK - Registered UST at the site: Y

MNFST - Facility has manifested hazardous waste offsite:

PCS - Facility in NPDES reporting in the Permit Compliance System:

PEST - Facility permitted for Pesticides:

SWISE - Facility is designated a landfill-----:

SWISP - Facility is designated a landfill-----:

SWISU - Facility is designated a landfill-----:

WB-LF - Sanitary landfill with groundwater contamination:

SWRCB - Facility discharging into surface waters under STATE:

WDSE - Waste discharging facility with an enforcement history:

REGISTERED UNDERGROUND STORAGE TANKS

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 275U

Facility Name: ARCO #5424

Address: 8024 ELDER CREEK RD

City: SACRAMENTO

State: CA

Zip: 95827

Owner Name: ARCO PRODUCTS COMPANY

Address: P O BOX 5811

City: SAN MATEO

State: CA

Zip: 94408

Number of Tanks: 8024

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 276U

Facility Name: EASTMAN BUILDING PRODUCTS

Address: 8191 ELDER CREEK RD

City: SACRAMENTO

State: CA

Zip: 95829

Owner Name: EASTMAN BUILDING PRODUCTS

Address: 8191 ELDER CREEK RD

City: SACRAMENTO

State: CA

Zip: 95828

Number of Tanks: 8191

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 278U

Facility Name: LIFETIME DOORS INC.

Address: 8280 ELDER CREEK RD

City: SACRAMENTO

State: CA

Zip: 95828

Owner Name: LIFETIME DOORS INC.

Address: 8280 ELDER CREEK RD

City: SACRAMENTO

State: CA

Zip: 95828

Number of Tanks: 8280

REGISTERED UNDERGROUND STORAGE TANKS

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 364U

Facility Name: J & J REBAR

Address: 5643 FLORIN-PERKINS RD

City: SACRAMENTO State: CA Zip: 95828

Owner Name: J & J REBAR

Address: 5643 FLORIN-PERKINS RD

City: SACRAMENTO State: CA Zip: 95828

Number of Tanks: 5643

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 428U

Facility Name: SACRAMENTO ARMY DEPOT

Address: 8350 FRUITRIDGE RD #52

City: SACRAMENTO State: CA Zip: 95826

Owner Name: SACRAMENTO ARMY DEPOT

Address: 8350 FRUITRIDGE RD

City: SACRAMENTO State: CA Zip: 95826

Number of Tanks: 8350

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 904U

Facility Name: SLIPFORM CONCRETE

Address: 8690 FRUITRIDGE RD

City: SACRAMENTO State: CA Zip: 95826

Owner Name:

Address:

City: State: Zip:

Number of Tanks: 8690

REGISTERED UNDERGROUND STORAGE TANKS

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: 952U

Facility Name: FERNANDEZ DELMAR

Address: 8140 36TH AV

City: SACRAMENTO

State: CA

Zip: 95824

Owner Name:

Address:

City:

State:

Zip:

Number of Tanks: 8140

CALIFORNIA LEAKING UST REPORT

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: L13167

Site: SAFEWAY/TRANSCO DISTRIBUTING C
Address: C4400 FLORIN-PERKINS RD
City: SACRAMENTO

Region #: 05

Date Reported: 1986/09/11

Date Reviewed: 1991/01/18

Responsible Agency: LOCAL AGENCY

Substance: TOLUENE

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

Map Status: ADVISORY ONLY - SITE NOT MAPPED (DISREGARD MAP #)

Map Number: L22957

Site: SAFEWAY/TRANSCO DISTRIBUTING C
Address: 4400 FLORIN-PERKINS RD
City: SACRAMENTO

Region #:

Date Reported: 1986/09/11

Date Reviewed: 1991/01/18

Responsible Agency: LOCAL AGENCY

Substance: TOLUENE

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13136

**Site: CALVEY INCORPORATED
Address: 8541 23RD AVE
City: SACRAMENTO**

Region #: 05

Date Reported: 1986/09/02

Date Reviewed: 1986/09/02

Responsible Agency: REGIONAL BOARD

Substance: REGULAR GASOLINE

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13164

**Site: SOUTH AREA REFUSE TRANSFER STA
Address: A8550 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1986/10/01

Date Reviewed: 1986/10/01

Responsible Agency: REGIONAL BOARD

Substance: DIESEL

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13303

**Site: PG&E (CLOSED BY CO)
Address: 5555 FLORIN-PERKINS RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1988/02/08

Date Reviewed: 1988/03/30

Responsible Agency: LOCAL AGENCY

Substance: WASTE OIL

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & DISPOSE

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13362

**Site: M & B
Address: 8137 ELDER CREEK RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1988/07/18

Date Reviewed: 1988/07/18

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13366

**Site: SAC ARMY DEPOT
Address: 8350 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1981/10/29

Date Reviewed: 1991/08/01

Responsible Agency: REGIONAL BOARD

Substance: UNLEADED GASOLINE

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13419

**Site: WESTERN KRAFT
Address: 8333 24TH AVE
City: SACRAMENTO**

Region #: 05

Date Reported: 1989/02/08

Date Reviewed: 1989/02/08

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: REMEDIAL ACTION

Abatement Method:

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13423

**Site: M&P REPAIR (CLOSED-CO)
Address: 5743 POWER INN RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1989/05/31

Date Reviewed: 1990/01/04

Responsible Agency: LOCAL AGENCY

Substance: DIESEL

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13450

**Site: PROCTER & GAMBLE (CLOSED-CO)
Address: 8201 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1989/11/21

Date Reviewed: 1989/11/21

Responsible Agency: LOCAL AGENCY

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & DISPOSE

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13500

**Site: EDWARD R BACON COMPANY
Address: 8720 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1990/06/22

Date Reviewed: 1990/06/22

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: REMEDIAL ACTION

Abatement Method: CDED

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13533

**Site: FORMER SS (CLOSED-CO)
Address: 6300 POWER INN RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1990/09/04

Date Reviewed: 1990/09/04

Responsible Agency: LOCAL AGENCY

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & TREAT

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13547

**Site: DOLAN'S LUMBER
Address: 5150 FLORIN-PERKINS RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1990/10/04

Date Reviewed: 1990/10/04

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method: EXCAVATE & TREAT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13555

**Site: SPANDA INDUSTRIAL DEVELOPEMENT
Address: T8131 37TH AVE
City: SACRAMENTO**

Region #: 05

Date Reported: 1990/11/02

Date Reviewed: 1990/11/02

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method: EXCAVATE & DISPOSE

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13574

**Site: MARKEL BROS. PLUMBING
Address: 8455 24TH AVE
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/01/08

Date Reviewed: 1991/01/08

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method: ACTION NOT REQUIRED

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13585

**Site: SOZZI TRUST
Address: 8542 ELDER CREEK RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/03/19

Date Reviewed: 1991/03/19

Responsible Agency: REGIONAL BOARD

Substance: WASTE OIL

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method: EXCAVATE & DISPOSE

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13588

**Site: SAFETY KLEEN (FORMER SITE)
Address: 8543A UNSWORTH AVE
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/03/13

Date Reviewed: 1991/03/13

Responsible Agency: REGIONAL BOARD

Substance: MINERAL SPIRITS

Affected Media: SOIL ONLY

Status: REMEDIAL ACTION

Abatement Method: OT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13590

**Site: GELCO INSITUFORM
Address: 8565 ELDER CREEK RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/03/13

Date Reviewed: 1991/09/13

Responsible Agency: LOCAL AGENCY

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & TREAT

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13592

**Site: ALEXANDER IRON (CLOSED BY CO.)
Address:)8594 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/03/13

Date Reviewed: 1991/03/13

Responsible Agency: LOCAL AGENCY

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & TREAT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L13610

**Site: FLEMING-SACRAMENTO
Address: 8301 FRUITRIDGE RD
City: SACRAMENTO**

Region #: 05

Date Reported: 1991/03/13

Date Reviewed: 1991/03/13

Responsible Agency: REGIONAL BOARD

Substance: DIESEL

Affected Media: SOIL ONLY

Status: REMEDIAL ACTION

Abatement Method:

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L20518

**Site: ALEXANDER IRON (CLOSED BY CO.)
Address: 8594 FRUITRIDGE RD
City: SACRAMENTO**

Region #:

Date Reported: 1991/03/13

Date Reviewed: 1991/03/13

Responsible Agency: LOCAL AGENCY

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: CASE CLOSED

Abatement Method: EXCAVATE & TREAT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L20568

**Site: ARA SERVICES
Address: 6211 POWER INN RD
City: SACRAMENTO**

Region #:

Date Reported: 1992/06/16

Date Reviewed: 1992/06/16

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method: EXCAVATE & DISPOSE

CALIFORNIA LEAKING UST REPORT

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L23207

**Site: SOUTH AREA REFUSE TRANSFER STA
Address: 8550 FRUITRIDGE RD
City: SACRAMENTO**

Region #:

Date Reported: 1986/10/01

Date Reviewed: 1986/10/01

Responsible Agency: REGIONAL BOARD

Substance: DIESEL

Affected Media: SOIL ONLY

Status: PSA UNDERWAY

Abatement Method:

Map Status: IN SEARCH AREA - SITE MAPPED (REFER TO MAP #)

Map Number: L23240

**Site: SPANDA INDUSTRIAL DEVELOPEMENT
Address: 8131 37TH AVE
City: SACRAMENTO**

Region #:

Date Reported: 1990/11/02

Date Reviewed: 1990/11/02

Responsible Agency: REGIONAL BOARD

Substance: GASOLINE

Affected Media: SOIL ONLY

Status: LEAK BEING CONFIRMED

Abatement Method: EXCAVATE & DISPOSE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

**75 Hawthorne Street
San Francisco, Ca. 94105-3901**

February 10, 1994

**Major Ronald Light
Department of the Army, USAEC
Base Closure Division
Beal Road, Building 4480
Aberdeen Proving Ground, MD 21010**

re: Draft CERFA Report - Sacramento Army Depot

Dear Major Light:

The following comments address the Army Environmental Center's document, "Draft CERFA Report, Sacramento Army Depot". The comments below do not represent EPA concurrence on CERFA findings; EPA will make a concurrence decision upon receipt of the Final CERFA Report. This letter breaks down our comments into both general and parcel-specific comments.

As discussed, additional comments on the Draft CERFA Report have been sent to you under separate cover from the California Environmental Protection Agency (Cal/EPA). As the State's representative is a member of the Base Closure Team, it would be useful to consider the State's comments.

General Comments:

Section 1.2: CERFA Parcels:

The definition provided for the CERFA Parcel category includes areas that contained so-called "non-CERCLA hazards" but have since been fully remediated. EPA does not agree with this definition. First, many of the substances listed as "non-CERCLA" are indeed regulated under CERCLA. Also, as noted in the description of the CERFA with qualifiers category, remediation is not a factor under 120(h)(4) for purposes of identifying areas where hazardous substances have been stored, released, or disposed of.

Section 1.2: CERFA Parcel(s) with Qualifier(s):

The Army has introduced a parcel category called "CERFA Parcel(s) with Qualifiers" which is outside the scope of the BRAC seven parcel categories. EPA Region 9 does not agree that this category should be included in the CERFA report because it

presents two basic problems. First, as mentioned above, some of the "non-CERCLA" hazards listed are regulated under CERCLA (asbestos, lead, PCBs, radon, radionuclides). Second, it is unclear whether the Army intends to transfer these parcels as uncontaminated parcels. EPA may agree that the transfer of some of the parcels in this category may not pose a problem, but that others should not be transferred as uncontaminated. In any event, such a transfer would not be based upon the rationale that the substance is not a CERCLA hazardous substance. However, the category as described on page 2 indicates otherwise.

Sec. 1.2. Definition of Terms:

All definitions in Sec. 1.2 should more closely track the language of CERCLA § 120(h)(4)(A), regarding the storage, release, or disposal of hazardous substances, petroleum products or their derivatives. For example, see comment to Sec. 3.1.2 regarding use of the term "hazardous substances"; also, whereas the Army's definitions use the terms "petroleum, or petroleum derivatives", CERCLA § 120(h)(4)(A) refers to "petroleum products or their derivatives", which may be broader in scope than the former.

Sec. 2.0. Scope of Investigation:

This section refers to the subject Draft Report as a "CERFA Supplementary Preliminary Assessment". We request that this term be defined. This section lists several categories of information on which the Report is based, but does not appear to include all sources of information required in CERCLA § 120(h)(4)(A).

Sec. 2.1. Existing Investigation Documents:

RCRA Facility Assessment should be included in this list.

Sec. 2.2. Federal, State, and Local Government Regulatory Records:

We request that the report verify whether the document search described is sufficient to satisfy the requirements of CERCLA § 120(h)(4)(A)(i) and (vi), which require "detailed search" of Federal government records pertaining to the property, and "reasonably obtainable" Federal, State, and local government records, respectively. Additional sources of information are identified in Section 6 of the Report, but not discussed here. We note that the heading for Section 2.2 includes local government records, but none are listed.

Sec. 2.3. Interviews; also, Table 2.3-1:

The Army should explain how it has met the requirements of CERCLA § 120(h)(4)(A)(vii), which requires interviews with current or

former employees "involved in operations" on the real property. The persons listed in Table 2.3-1 do not fall into this category.

Sec. 2.4. Visual Inspections:

The Report should more specifically explain how the visual inspections satisfy the requirements of § 120(h)(4)(A)(iv), which call for visual inspections of "buildings, structures, equipment, pipe, pipeline, or other improvements" and visual inspections of "properties immediately adjacent" to each parcel. "[S]ite inspections of selected buildings/warehouses" does not appear sufficient; why were inspections conducted selectively?

Also, there is no mention of any physical inspection of adjacent property, which is required by § 120(h)(4)(A)(v).

Sec. 2.5. Title Documents -

The Report should verify whether the "[t]itle documents available from the U.S. Corps of Engineers Real Estate Division" include all recorded chain of title documents, as required by § 120(h)(4)(A)(ii), for parcels evaluated in the CERFA Report. Also, if "all property currently comprising" SAAD was acquired in the 1940s, then why make a distinction for property "acquired by the U.S. Army prior to 1970"? Finally, since the purpose of reviewing title documents and other information under § 120(h)(4)(A) highlight any prior property ownership that would appear to be of environmental concern and discuss the use of the property under that ownership.

Sec. 3.1.2. Hazardous Materials/Waste Management:

In general, the terms "hazardous materials" and "hazardous waste" are used throughout this Report but are nowhere defined (see earlier comment for Sec. 1.2, Definition of Terms). It is unclear how these terms overlap with the operative CERFA term "hazardous substances" (defined in CERCLA § 101, includes "hazardous waste" as a subset). For example, p. 13 refers to "hazardous materials and hazardous wastes"; statement p. 14 re "[h]azardous materials ... include petroleum products."

Instead of "hazardous materials", the Report should consistently use the correct CERFA terms "hazardous substances" and "petroleum products and their derivatives".

Sec. 3.2. Changes to Real Property Environmental Conditions:

We note that completion of remediation of areas contaminated with hazardous substances is not relevant for CERFA purposes, because past contamination eliminates parcels from CERFA eligibility. Areas on which remedial actions have occurred should be indicated in Table 5.5-1 which discusses the CERFA status of each parcel.

Sec. 4.1. Previously Identified Areas Requiring Environmental Evaluation

The FFA did not categorize sites as "Group 1" or "Group 2."

Sec. 4.3. Adjacent or Surrounding Properties:

CERFA requires visual and physical inspections of property adjacent to the real property which is identified as uncontaminated, as well as a records search relating to releases on adjacent property. (See §120(h)(4)(v), (vi), and (vii).) It is EPA's position that the CERFA requirement dealing with adjacent properties applies not only to the outer boundaries of SAAD, but also to the outer boundaries of each individual parcel that is being identified as uncontaminated under Section 120(h)(4). The focus should be on whether releases have occurred on adjacent property, both on and off SAAD, so that there can be assurance that contaminants from adjacent parcels do not impact uncontaminated parcels. Please provide indication that this requirement has been addressed. It would be helpful to provide such indication with the description of each CERFA parcel contained in Table 5-1 of the CERFA Report.

Sec. 4.4. Non-CERCLA Environmental Concerns:

As discussed under Sec. 1.2 above, the use of this heading as it applies to asbestos, lead-based paint, radon, etc., is inappropriate. The term should be changed.

It is our understanding that the Army has taken the position that the presence of asbestos and lead-based paint in intact and good condition, the presence of naturally-occurring radon (or other naturally-occurring radionuclides), or the presence of PCB-containing transformers that are part of an active electrical supply system need not disqualify property as being uncontaminated under 120(h)(4). The CERFA report should provide the Army's legal rationale for this conclusion, and the Army's approach for determining whether or not storage, release, or disposal has occurred should be clearly set forth in Section 4.4 of the Report. Also, in EPA's view, the presence of these materials should be disclosed to the public and to potential future users of the property.

The Draft CERFA Report provides information about the presence and condition of asbestos, radon, and lead-based paint in several areas on the base. For other areas, survey data was not yet complete at the time of the report. It is our understanding that the most recent available data will be included in the final CERFA Report.

Pesticides:

The Draft Report does not mention the use of pesticides on the

base and how this may impact the CERFA status of parcels which are otherwise CERFA-eligible. If the Army nominates areas as CERFA parcels which are likely to have been subjected to the use of pesticides and herbicides, EPA Region 9 requests that AEC include information about the pesticides and herbicides used on these areas, and the frequency and amounts of pesticide and herbicide use. EPA Region 9 further requests that AEC provide the legal rationale for the conclusion that areas on which pesticides were once used can be included as uncontaminated areas under CERFA.

4.4.3 PCB Transformers -

The document should be more direct in explaining under what circumstances a parcel containing a PCB transformer will be categorized as a CERFA parcel or a CERFA-Disqualified parcel. For example, state: "Parcels which contain or have contained leaking PCB-filled transformers have been placed in the CERFA-Disqualified parcel category because a release of hazardous substances has occurred and such parcel cannot be identified as uncontaminated under §120(h)(4) of CERCLA. Parcels which contain PCB-filled transformers which are operable and in normal use with no evidence of leaking have been placed in the CERFA parcel category because ...". Also, if storage of PCB transformers occurred, this should be stated.

Sec. 4.5. Sites with Historical or Ongoing Remediation Efforts:

Several of the statements in this section regarding the status of the remediation are outdated or otherwise not necessarily correct, and should be deleted. In fact, for purposes of identifying uncontaminated property in this Report, such detailed descriptions of ongoing remediation are not required. It would be sufficient to identify the contaminated sites where CERCLA response action has been or will be taken, and note that the corresponding parcels are therefore in the "CERFA-Disqualified" category.

[The following are examples of the statements which are outdated or incorrect: Existing Groundwater ROD will be amended; Oxidation Lagoons remediation is expected to be completed in 1993; Basewide ROD is expected to be signed "between October 1994 and March 1995"; Pesticide and Battery Disposal area are being conducted as "Removal Action in accordance with CERCLA".]

Sec. 4.6. CERFA Excluded Parcels:

Although the parcels are excluded, the Report should establish potential sources of contamination on these properties insofar as they are adjacent to and impact parcels which the Army nominates as uncontaminated.

Table 4.1-1: Abbreviations (HR, HS, HM, HR-P, PS) should be defined (if "HM" and "HS" refer to "hazardous materials" and

"hazardous substances", respectively, see preceding comment re using CERFA terms).

Table 4.4-1: Since there is a "date installed" column, please indicate when the PCB transformers were removed.

Table 4.5-1: See comments to Sec. 4.5.

Sec. 6.0. References:

Aerial photographs evaluated for the historical use or presence of hazardous substances are identified as items R-13 and R-14. Please include the dates and sources of aerial photographs used.

Parcel-Specific Comments:

The following specific comments refer to "CERFA Parcels":

Parcel 1aP - We request that the report include indication of how this parcel may have been impacted by contamination on adjacent parcels. (See comment on Sec. 4.3 above.) There are several possible impacts to this parcel: a UST was formerly located on adjacent Parcel 1bD and an AST is currently located there. Outside the base boundary adjacent to the northwest corner of the base, the Draft CERFA report notes that Proctor and Gamble had a leaking underground storage tank (#L13450) and that four spills occurred in the area (#340950, #342250, #335057, #342150). We request that the document identify how these elements did or did not impact a finding of uncontaminated for Parcel 1aP.

Parcel 7P - We request that the report include indication of how this parcel may have been impacted by contamination on adjacent parcels. (See comment on Sec. 4.3 above.) The other boundaries of Parcel 7P are adjacent to parcels 5, 6, 8, 9, and 24, where storage occurred and a UST was removed. In addition, this parcel may have been impacted by contamination from sources outside the base boundary. The color-coded maps produced by Environmental Database, Inc. identify 3 reports of leaking tanks in the vicinity of this parcel. (These tank sites are coded L13610, L13366, and L13303.) We request that the document identify how these leaking tanks did or did not impact a finding of uncontaminated for Parcel 7P.

Parcel 13aP - Railroad tracks may impact property categorization depending on base-specific operations. Areas where trains have been loaded and unloaded (rail spurs, several lines of rail running parallel to each other, etc.) may have a high probability of releases of petroleum and hazardous substances. In a meeting with Base staff and with Cal/EPA representatives at Sacramento Army Depot on January 11, it was agreed that the rail use history of Parcel 13aP indicated that it was likely to be affected by releases which would disqualify it from CERFA status. Representatives subsequently communicated this opinion via

conference call to Dominique Edwards of your office.

Parcel 86P - The so-called contractor spoils area was nominated as a CERFA parcel along with 5 other parcels in this area. The contractor spoils area is Parcel 86P. In the meeting with Base staff and with Cal/EPA representatives at Sacramento Army Depot on January 11, it was acknowledged that the BCT was awaiting results of sampling taken at the contractor spoils area to verify whether it was affected by contamination. It was agreed that until sampling verification is received, the BCT could not rule out the possibility that the parcel was affected by releases which would disqualify it from CERFA status. Representatives subsequently communicated this opinion via conference call to Dominique Edwards of your office. If sampling results indicate no contamination, and if they are received in time to be included in the final CERFA report, the BCT agreed that Parcel 86P could be nominated as a CERFA parcel.

Parcel 87P - We request that the report include indication of how this parcel may have been impacted by contamination from adjacent parcels, including the CERFA-excluded parcels on the southern boundary. (See comment on Sec. 4.3 above.) The color-coded maps produced by Environmental Database, Inc. identify reports of spills in the vicinity of this parcel outside the eastern base boundary across Florin Perkins Road (#325358, #598051). We request that the document identify how these leaking tanks did or did not impact a finding of uncontaminated for Parcel 87P. More specific information about the PCB transformer contained in Parcel 87 (listed in Table 4.4-1) should be given to support categorization as a CERFA Parcel.

Parcels 92P, 93P, 96P, 97P - We request that the report include indication of how these parcels have been impacted by contamination from adjacent parcels, including the CERFA-excluded parcels on the southern boundary. (See comment on Sec. 4.3 above.)

The following specific comments refer to "CERFA with Qualifier Parcels":

Parcel 2Q - The parcel contains a pool and a bath house. EPA staff received indication that chlorine gas containers may have been stored on the parcel for purposes of pool chlorination. If such storage occurred for one year or more, the parcel cannot be considered a CERFA parcel.

Parcels 3Q, 11Q, 72Q, 73Q, 94Q, 95Q - We request that the report include indication of how these parcels have been impacted by contamination from adjacent parcels. (See comment on Sec. 4.3 above.) See comment on Sec. 4.4 above concerning asbestos and lead-based paint.

The following specific comment refers to "CERFA Disqualified Parcels":

Parcel 12 - "RCRA Removal Action" is an incorrect term; presumably the Army means either "RCRA corrective action" and/or "RCRA closure".

Thank you for the opportunity to review the Draft CERFA report. We look forward to discussing these comments with you. Please contact me at (415) 744-2410, or John Kemmerer, Chief of EPA Region 9's Base Closures Program, at (415) 744-2411.

Sincerely,



Deirdre Nurre
Base Closure Specialist

Enclosure

cc: John Green, Sacramento Army Depot
Jennifer Smith, DTSC

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

400 P Street, 4th Floor

P.O. Box 806

Sacramento, CA 95812-0806

(916) 255-2009



February 4, 1994

Ms. Dominique Edwards
Department of the Army, AEC
Base Closure Division
Beal Road, Building 4480
Aberdeen Proving Ground, Maryland 21010-5401

Dear Ms. Edwards:

We appreciate the opportunity to review the October 22, 1993 Sacramento Army Depot Draft Community Environmental Response Facilitation Act (CERFA) Report which we received on November 23, 1993. A conference call was held on January 11, 1994 with you, Sacramento Army Depot (SAAD) staff and representatives from the United States Environmental Protection Agency, Region IX and the Department of Toxic Substances Control (DTSC). This conference call was very helpful in refining the document. We understand that a memo was forwarded from Mr. Dan Oburn, the Base Realignment and Closure Environmental Coordinator for SAAD to the Army Environmental Center (AEC) which included some of our initial comments as well as SAAD's.

Enclosed please find general and specific comments on the Draft CERFA document from the following agencies:

Attachment One is the California Environmental Protection Agency's comments. This set of comments is primarily prepared by DTSC. Comments have also been provided by the Regional Water Quality Control Board and are denoted with the initials (RWQCB).

The California Department of Health Services, Environmental Radiation Program also provided comments and are included as Attachment Two.

We have closely coordinated our comments with U.S. EPA. Due to the strict timeline imposed by the CERFA statute, we feel that it is important that we work closely with you and EPA to address our concerns in your final report. Further, it would be helpful to EPA and the State if your letter requesting concurrence included a listing of specific parcels upon which you want concurrence. We look forward to our scheduled on-board meeting for February 10, 1994 which we believe will be very productive.



Ms. Dominique Edwards
February 4, 1994
Page Two

If you would like to discuss these comments further, please
contact me at (916) 255-2015.

Sincerely,

Diana Peebler

Diana Peebler
Environmental Assessment and
Reuse Specialist

Enclosure

cc: Steven A. Book Ph.D.
Department of Health Services
Environmental Radiation Programs
601 N. 7th Street
P.O. Box 942732
Sacramento, California 94234-7320

Mr. James M. Frank
Sacramento County Health Department
Hazardous Materials Division
8475 Jackson Road, Suite 230
Sacramento, California 95826

Ms. Deirdre Nurre
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105-3901

Mr. Dan Oburn
BRAC Environmental Coordinator
Sacramento Army Depot SDSSA-EL4
8350 Fruitridge Road
Sacramento, California 95813-5052

ATTACHMENT ONE

SUBJECT: Evaluation of Draft Community Environmental Response Facilitation Act (CERFA) Report for the Sacramento Army Depot

GENERAL COMMENTS

During our conference call on January 11, 1994, it was agreed by all parties that the Contractor Spoils Area and the Southern Pacific Railroad track area will be removed from consideration as CERFA parcels.

Section 1.1

Consistency in using either the terms BRAC I and II or BRAC 88 and BRAC 91 would be helpful. Document uses BRAC I and BRAC 91.

Document states that the Public Laws designating bases to close made it necessary to investigate and clean up environmental contamination prior to the release and reuse of the property. Legally, it would be necessary for the Army to remediate environmental contamination even if the base were not closing.

Please clarify language regarding what CERFA actually does with respect to contamination assessment, cleanup, and regulatory agency notification/concurrence for federal facility closures. It requires the federal government, before termination of federal activities on real property to identify property where no hazardous substance was stored for one year or more, released, or disposed of. Also, the designation must be concurred with by the appropriate regulatory agency.

Section 1.2

Document states that a CERFA Parcel is one on which there is no evidence of current or historic storage for a one year period. A more accurate description would be no storage for greater than a one year period.

It is our understanding that the Army is taking the position that the presence of asbestos or lead-based paint, the presence of naturally-occurring radon (or other radionuclides), or the presence of inactive PCB-containing equipment need not disqualify property from being designated a CERFA or CERFA Qualified Parcel. Please provide in the report the legal and technical rationale that was used to reach this conclusion.

Please describe if the asbestos survey was comprehensive enough to indicate friability. When the asbestos survey was conducted, please indicate whether all buildings were visually inspected to determine the condition of asbestos.

Please provide an analysis of the review of aerial photographs indicated in your draft document. If nothing was observed, please state so in the document. Likewise, we would like to see statements that indicate that there was no likelihood of CERFA parcels being affected by sources of contamination on any adjacent parcels.

Please indicate where building 73 Q A/L(P) is located and whether it is the guard house. It is not depicted on the map. Also, it is our understanding that buildings 458 and 459 do not exist. They are however, depicted on the map.

Property 2Q-A/L(P) is listed as a CERFA parcel. It is our understanding that the swimming pool area stores chlorine gas for pool treatment. Please provide documentation to indicate the period of time the chlorine gas was stored.

SPECIFIC COMMENTS

Section 1.3

The document states only that the aerial photographic analysis of Kleinfelder was reviewed. Was there any other information or documents gathered by Kleinfelder that were used in preparing this report?

Section 2.1

The RCRA Notifier Facility Report states that 32 RCRA-permitted facilities were within a one mile radius. This implies that these businesses hold permits as treatment/storage/disposal (TSD) facilities. Further language in the document indicates that these 32 are only generators. This should be clarified.

The list of documents which were used to assess whether potential environmental releases have occurred, did not cite one critical document which was used by later investigators as a basis for determining if a number of sites require further investigation or are No Further Action (NFA) sites. This document is: Environmental Contamination Survey and Assessment of Sacramento Army Depot (SAAD). Battelle, November 1981. (RWQCB)

Section 2.3

CERFA DoD Guidance indicates that interviews of current and/or former employees involved in operations on the real property should be conducted. The list of interviewees in table 2.3-1 does not indicate that these workers were among those interviewed, and if they are current or former employees.

Section 3.1.1

Please define JSIIDS.

Section 3.2

Please indicate the location of Building 250. It does not appear to be on the map.

Please update sections where they state that remediation/removal activities have been planned in certain areas if they are now complete (such as Pesticide Mix area).

Document states that certain AREEs have been reclassified as NFA Sites. The regulatory agencies have not agreed that these are definitively NFA sites.

Section 4.1

This section should be amended and state the regulatory agencies will provide final concurrence for Group B and C NFA sites during finalization of the Final Feasibility Study (FS). (RWQCB)

Section 4.5

The text should be amended and state that a major source of groundwater contamination is the South Post Burn Pits. However, other source areas for TCE and other VOC's exist such as Parking Lot #3 and several other source areas in the central section of the Depot. (RWQCB)

State of California

Department of Health Services

Memorandum

DATE: January 20, 1994

TO: Jennifer Smith
Office of Military Facilities
Department of Toxic Substances Control
400 P Street, 4th Floor
Sacramento, California 95812-0806

FROM: Environmental Radiation Programs
Division of Drinking Water and
Environmental Management
601 North 7th Street
P.O. Box 942732
Sacramento, CA 94234-7320

SUBJECT: Sacramento Army Depot Draft CERFA Report—Comments

Attached are the Department of Health Services' comments on the *Draft Community Response Facilitation Act (CERFA) Report, Sacramento Army Depot, Sacramento, California, October 22, 1993.*

These comments are in support of the Interagency Agreement between the State Water Resources Control Board and the Department of Health Services.

If you have any questions concerning these comments or if you need additional information, please give me a call at (916) 322-2183.



Steven A. Book, Ph.D.
Special Assistant

Attachment

cc: Rufus Howell, DHS
Jack McGurk, DHS
Bill Watson, DHS
John Adams, SWRCB
Leslie Laudon, SWRCB
Theresa McGarry, DTSC

California Department of Health Services' Comments on the *Draft Community Response Facilitation Act (CERFA) Report, Sacramento Army Depot, Sacramento, California, October 22, 1993.*

General Comments:

The draft CERFA report for the Sacramento Army Depot (SAAD) contains only limited discussion of the use and operational history of radioactive material at the facility. Hence, it is unclear whether radioactive material is of concern at SAAD.

Issues related to the presence of radioactive material are a major component of the base closure process. If the past use of radioactive material and its disposal practices are not addressed, an expeditious transfer of military property to nonmilitary uses will be difficult.

There are concerns regarding the past use, storage, and disposal of radioactive material that need to be addressed in identifying property on military bases that can be released from military control. This belief arise from our observations of the historical use of radioactive material on military bases.

For example, the Department of the Army's Corps of Engineers distributed to its regional commands a memorandum (dated December 8, 1993) addressing awareness of radioactive materials used at Department of Defense (DOD) facilities. That memorandum pointed out that the DOD has issued over 2800 different types of instruments and articles containing radioactive materials, and that radioactive contamination may exist in materials in base supply warehouses, or in shops used for the manufacture, repair or maintenance of such articles. The memorandum also points out that "during the 1940s, 1950s, and 1960s, on-base burial, sometimes in radioactive waste disposal cells and often in on-base landfills, was a reasonable and acceptable disposal technique."

It also points out a number of radioactive materials that may be found (or may have been found) on Army, Navy and Air Force facilities. Under the facilities' general licenses the following may exist, or may have existed:

- a. Radium dials, gauges, and illuminators. This is by far the most common and the greatest radioactive health and environmental hazard found on bases and includes luminous aircraft dials, watch dials, weapons sights, and compasses.
- b. Depleted uranium (DU) used in armor and armor piercing weapons. (DU was also used in aircraft wings as a counter-balance.)
- c. Tritium used in illuminators, especially self-illuminating exit signs.
- d. Thorium used in lenses and glass, and in mag-thorium metal used for machine, aircraft and rocket parts. (Also, thoriated tungsten welding rods.)

- e. Where the base includes a hospital, tritium and carbon-14 used in liquid scintillation counting. Note that liquid scintillation counting fluids often contain xylene or toluene, which are hazardous wastes.
- f. Washdown racks for aircraft used for flybys of nuclear tests have been found to contain radioactive fission products, uranium and plutonium.

Under Army, Navy and Air Force facilities' specific licenses, the following may be or have been present:

- a. Calibration sources for radiation survey meters.
- b. Hospital radiation therapy sources.
- c. Radiography sources.
- d. Some storage tank level detectors.
- e. Certain soil probes.

We have also found that many times radioactive materials are not considered by contractors with expertise in hazardous materials as within their bailiwick, so in-depth review of the use, storage, and disposal of radioactivity may be omitted from the contractors efforts.

We have also found that the process often ignores experts that are available within a specific military branch. Information about the use of radioactive material could be obtained not only from interviews with past radiological safety officers and employees, but also from radiation experts associated with the various service branches. These include: the Air Force's Armstrong Laboratory at Brooks Air Force Base in Texas; the Army's Environmental Hygiene Agency at the Aberdeen Proving Ground, Maryland; the Army Corps of Engineers in Omaha, Nebraska; and the Navy's Radiological Affairs Support Office in Yorktown, Virginia.

Documents regarding the use, storage, and disposal of radioactive material are often not being reviewed by contractors. For example, specific licenses from the Nuclear Regulatory Commission (NRC), DOD permits issued to facilities, and documentation generated by a facility's radiation safety program all have information that is needed to describe the historic presence of radioactive material on a military base.

Finally, we have found that naturally occurring radioactive material, in particular radium-226, is often not considered to be "radioactive material." However, it is of concern from a public health and environmental protection standpoint, and does need to be addressed in base closures and property transfer. Radium-226, as mentioned above, was widely used throughout DOD facilities in a variety of commodities and practices.

We believe that the CERFA documents do need to address the wide use of radioactive material associated with typical military functions. We believe that it would be unusual for a military base not to have had on-site some presence of radium-226 containing dials, knobs, and gauges, or facilities that repaired equipment that contained radium-226 or other radionuclides. If no radioactive materials containing radium-226 or other radionuclides were used, repaired, stored,

or disposed of on site, then this historical non-use should be included in the reports on the facility, with appropriate documentation and concurrence from knowledgeable and responsible base authorities.

Although the SAAD CERFA report mentions radioactivity and radium occasionally, it lacks an adequate discussion of past use, storage and disposal of radioactive materials.

The SAAD CERFA report should contain a discussion of specific licenses and permits for radioactive materials, plus a discussion of the scope and extent of utilization of the sources of radioactivity. This information should include historical review of the facility's radiation safety program. Information about the occupational, environmental, and personnel monitoring programs (including low-level radioactive waste disposal) should be provided for this review. It should document the details of the facility's efforts to control nonlicensed radioactive material (naturally occurring radioactive material, NORM), e.g., commodities containing radium-226 either as a component part or as radioluminescent paint, and the potential for mixed waste (radioactive and hazardous wastes together) within the sites to be remediated or found in base landfills.

Documents such as the SAAD CERFA report should be reviewed internally by an official with the expertise and responsibility to evaluate their content pertaining to radioactive material prior to release to reviewing agencies.

Specific comments:

Page 2. 1.2 Definition of Terms: What is the basis for the designation of radionuclides as "non-CERCLA" hazards? Are radionuclides not regulated under CERCLA?

Pages 3 and 4. Geographic and Environmental Setting: The discussion of groundwater monitoring centers on the wells installed for the purpose of detecting the potential migration of contamination onto the facility. Were there no studies of the potential for off-site migration of contamination from the facility? Was there any monitoring of groundwater for levels of radioactivity in water, especially drinking water sources?

Page 5. 1.3 Geographical and Environmental Setting: Did extensive investigation of the potential environmental impact of SAAD operations include interviews with installation personnel representing the facility's radiation safety program, e.g., the radiation safety officer? If not, why not?

Page 5. 2.1 Existing Investigation Documents: No mention is made of document reviews and record searches used to identify where radioactive material was used, stored, or disposed. No mention is made of documents and records from DOD organizations that are concerned with the use of radioactive materials. Specific and general licenses for radioactive material are not mentioned. Were these documents and records utilized?

Page 6. 2.2 Federal, State, and Local Government Regulatory Records, CERCLA Sites: What are the details for the three sites listed in the last paragraph of this page. Are they inactive and abandoned? Is there any containment or control for potential migration off-site? Are there any data on the concentrations of radioactive material in environmental media associate with these sites?

Page 7. 2.2 RCRA Corrective Action: Did the EPA data base include information on mixed waste issues for SAAD as a RCRA-permitted facility?

Page 7-8. FINDS Facilities: What are the details of radiation programs issued an EPA ID number at SAAD?

Page 8. 2.2 State Hazardous Waste Sites and Landfills: Were any of the operators or contractors of these SAAD sites discussed the this section issued specific licenses or general licenses for radioactive materials? What are the details of their "operational relationship" with SAAD? Are they attempting to recover metal, by smelting or salvage?

Page 8. 2.3 Interviews: What are the academic and vocational experiences of the Environmental Management Division at SAAD who were the main source of the information on environmental conditions at the facility? How long have they worked at SAAD and in what capacity?

Page 10. Table 2.3-1 Sacramento Army Depot Interview List: No mention is made of interviews with past or current SAAD radiation safety officers, nor with personnel from the Army's Environmental Hygiene Agency, nor with other DOD agencies with radiologic expertise. Were they not interviewed? What were or are the position descriptions, duties, and times of employment for prior and current employees at SAAD who were interviewed?

Page 12. 3.1.1 History and Mission: Given the mission of SAAD as a depot for warehousing and repairing communication and advanced electro-optical equipment, has the Army determined that the components or devices that were part of the mission equipment were on the Army's exclusion list of commodities know to contain radium-226 and other radionuclides that were excluded from specific licensing by virtue of exempt concentrations of radioactive material or because of NORM? As examples, what were the concentrations of tritium (hydrogen-3) and promethium-147 for some of the fire control devices for mortar and anti-tank weapons, or the thorium-232 in the thermal imaging night vision devices, or the nickel-63 in the chemical agent monitor?

Page 13. 3.1.2 Hazardous Materials/Waste Management: Is there evidence that would justify a statement that mixed waste is or is not a scenario of concern at SAAD? If mixed waste is a potential issue, what are the details?

Page 14. 3.1.2 Other Maintenance Areas: Were any of the equipment items referred to in the History and Mission section above, or other items with radioactive material, stored or repaired at the locations listed? How was this determined?

Page 14. 3.1.2 Storage Areas for Radiological Sources: What are or were the types, forms and quantities of the radioactive materials stored in the buildings listed? How were each of them used and where? What was the training and control over those who used them? How does the radiation safety program of SAAD apply to these sources and buildings. What is the status of these buildings? If the status of any of the buildings has changed to not include controls for radioactive material, what is the documentation for the release of these facilities from radiologic controls? If the sources were disposed of, or transferred, what is the documentation for their disposition?

Page 17. Previous Identified Areas Requiring Environmental Evaluation: Of the current eleven remediation projects at SAAD, how may have been determined not to have radioactive material as an issue? What is the status of SWMU ID Nos. 022, 036, 037, and AREE No. 42, that are referred to in this section as part of Table 4.1-1?

Page 20. 4.4.4 Radon: Where were the radon monitoring devices placed and what type were they? What was the protocol for placing and retrieving the devices? Were industrial areas monitored? What laboratory analyzed the devices for radon? What are the radon concentrations for SAAD?

Page 21. 4.5 South Post Burn Pits: Are there any data on the concentration of radium-226 in the soil from this area to exclude the potential for elevated radium-226 levels from the burning of discarded equipment or components during the 1950s-1970s and the potential for groundwater contamination from these burn pits? If this scenario is asserted to be unlikely, what documentation can be provided to justify this assertion?

Page 22. 4.5 Building 300 Old Burn Pits: If the inventory of waste buried or burned at these pits included radium dial paint and hazardous waste, they may constitute a mixed waste. This potential ought to be addressed.

Related to the two sets of burn pits, are monitoring wells being considered, or have they been established to provide water samples for radioanalysis not only for ambient radiologic conditions, but for a determination of the possible contamination by radioactivity from SAAD sites?

Pages 26-30. Table 4.1-1 Previously Identified Areas Requiring Environmental Evaluation (AREE) at SAAD: Have radioanalytic analyses of soils been performed at SWMU ID No. 002, i.e., Burn Pits, within this site and in close proximity to it? The same applies to SWMU ID Nos. 007, 022, 034, 036, 037 and AREE No. 42. What is the available documentation or justification for the existence of a Radioactive Waste Disposal Area known as SWMU ID Nos. 022, 036 and 037—what were the sources, their concentrations and form? What are or were the radiation sources stored in buildings 300 and 320? Building 300 is a current remediation area, and Building 320 is indicated as having no residual contamination. How was an absence of residual contamination determined? Is there any indication that low-level radioactive waste (particularly radium-226) might have been disposed of in SWMU ID Nos. 010, 011, 044, 046, 047, or 048? How was low-level radioactivity disposed of, if present at SAAD, in the 1950s?

31 Mar 94

**USAEC RESPONSE TO USEPA IX COMMENTS TO THE SACRAMENTO ARMY DEPOT
DRAFT CERFA REPORT**

1) Comment: Section 1.2: CERFA Parcels:

The definition provided for the CERFA parcel category includes areas that contained so-called "non-CERCLA hazards" but have since been fully remediated. EPA does not agree with this definition. First, many of the substances listed as "non-CERCLA" are indeed regulated under CERCLA. Also, as noted in the description of the CERFA with qualifiers category, remediation is not a factor under 120 (h) (4) for the purposes of identifying areas where hazardous substances have been stored, released, or disposed of.

Response: Concur. The confusion lies with the Sec. 1.2 definition of CERFA Parcel with Qualifier and the use of the term "non-CERCLA" hazards. The definition of CERFA Parcel with Qualifier has been changed and the term "non-CERCLA" hazards has been eliminated. However, the Army's position is that property containing related environmental, hazard, and safety issues (as listed in the revised definition of CERFA Parcel with Qualifier), which has since been remediated, would then be considered a CERFA Parcel.

2) Comment: CERFA Parcel(s) with Qualifiers:

The Army has introduced a parcel category called "CERFA Parcel(s) with Qualifiers" which is outside the scope of the BRAC seven parcel categories. EPA Region 9 does not agree that this category should be included in the CERFA report because it presents two basic problems. First, as mentioned above, some of the "non-CERCLA" hazards listed are regulated under CERCLA (asbestos, lead, PCBs, radon, radionuclides). Second, it is unclear whether the Army intends to transfer these parcels as uncontaminated parcels. EPA may agree that the transfer of some of the parcels in this category may not pose a problem, but that others should not be transferred as uncontaminated. In any event, such a transfer would not be based upon the rationale that the substance is not a CERCLA hazardous substance. However, the category as described on page 2 indicates otherwise.

Response: Non-concur. As discussed in the response to comment 1, the term "CERFA Parcel with Qualifier" has been redefined. The term "non-CERCLA" hazards has been eliminated. In its place are a specific list of related environmental, hazard, and safety issues which are not explicitly regulated under CERCLA. USAEC

has sought to balance the statutory requirements of CERFA with the law's intent to identify uncontaminated property to the public which could be expeditiously reused. "Notice" has been provided for those parcels which appear to be uncontaminated under the definition provided in CERFA, but which may contain environmental, hazard, or safety issues.

We would like to emphasize that Public Law 102-426 only required the Army to identify "uncontaminated" parcels which could be expeditiously transferred to the public. This CERFA report far exceeds the requirements of the law, as we have undertaken to delineate those parcels which fulfill the identification requirements of the law (that is, uncontaminated parcels offering potential for expeditious transfer/reuse), and those which do not. It is also important to note that our use of 4 parcel designations occurred 15 months before the Department of Defense issued guidance for the use of 7 parcel designations. It was not programmatically possible for us to modify our investigation approach to allow the use of the 7 parcel designations. However, we are exploring the use of the 7 parcel designations for use in BRAC Cleanup Plans being prepared by this Center.

3) Comment: Sec. 1.2, Definition of Terms:

All definitions in Sec. 1.2 should more closely track the language of CERCLA §120 (h) (4) (A), regarding the storage, release, or disposal of hazardous substances, petroleum products or their derivatives. For example, see comment to Sec 3.1.2 regarding use of the term "hazardous substances"; also, whereas the Army's definitions use the terms "petroleum, or petroleum derivatives" CERCLA §120(h) (4) (A) refers to "petroleum products or their derivatives", which may be broader in scope than the former.

Response: Concur. Section 1.2 will be rewritten to more closely track the language of CERCLA §120(h) (4) (A).

4) Comment: Sec 2.0, Scope of Investigation:

This section refers to the subject Draft Report as a "CERFA Supplementary Preliminary Assessment". We request that this term be defined. This section lists several categories of information on which the Report is based, but does not appear to include all sources of information required in CERCLA §120(h) (4) (A).

Response: Concur. Subject report will be referred to only as "CERFA Report", as indicated on the cover and title page of the report. Section 2.0 will be rewritten to directly reflect the requirements of CERCLA §120(h) (4) (A) (seven step protocol).

5) Comment: Existing Investigation Documents:

RCRA Facility Assessment should be included in this list.

Response: RCRA Facility Assessment (RFA) will be added to the list of primary documents in Section 2.1; the RFA was included in the reference list in Section 6.0.

6) Comment: Sec. 2.2, Federal, State, Local government Regulatory Records:

We request that the report verify whether the document search described is sufficient to satisfy the requirements of CERCLA §120(h)(4)(A)(i) and (vi), which require "detailed search" of Federal government records pertaining to the property, and "reasonably obtainable" Federal, State, and local government records, respectively. Additional sources of information are identified in Section 6 of the Report, but not discussed here. We note that the heading for Section 2.2 include local government records, but none are listed.

Response: Concur. Text in this section will be rewritten to directly reflect the requirements of CERCLA §120(h)(4)(A)(i) and (vi), as noted: (i) "detailed search of Federal Government records pertaining to the property"; and (vi) "reasonably obtainable Federal, State, and local government records of each adjacent facility where there has been a release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property." As stated in Section 2.2, the releases to adjacent properties identified in the records search do not suggest a likely impact to the SAAD real property.

The text will also specifically reference documents prepared by the installation, the Army Corps of Engineers, the USAEC, and others that are listed in Section 2.1 and 6.0, as well as the search of the Federal and State databases included in this section. County staff were also contacted (by phone) but no additional information beyond what was already gathered through existing documents or the database search was provided; a statement to that effect will also be inserted into this section.

7) Comments: Sec. 2.3, Interviews; also, Table 2.3-1:

The Army should explain how it has met the requirements of CERCLA §120(h)(4)(A)(vii), which requires interviews with current or former employees "involved in operations" on the real property.

The persons listed in Table 2.3-1 do not fall into this category.

Response: Concur. Text will be rewritten to directly reflect the requirements of CERCLA §120(h)(4)(A)(vii), as noted: "interviews with current or former employees involved in operations on the real property". In addition to the interviews conducted during the CERFA assessment, extensive interviews of current and former SAAD employees involved in operations at SAAD were carried out as part of the Installation Assessment of SAAD (USATHAMA 1979) and the Enhanced Preliminary Assessment (Weston 1990); these interviews were not duplicated in the CERFA Assessment. Interviews were conducted, as necessary, to address specific questions regarding the storage, release, or disposal of hazardous substances or petroleum products or their derivatives, and to determine the current status of ongoing investigations at SAAD.

8) Comments Sec. 2.4, Visual Inspections:

The Report should more specifically explain how the visual inspections satisfy the requirements of §120(h)(4)(A)(iv), which call for visual inspections of "buildings, structures, equipment, pipe, pipeline, or other improvements" and visual inspections of "properties immediately adjacent" to each parcel. "[S]ite inspections of selected buildings/warehouses" does not appear sufficient; why were inspections conducted selectively?

Response: Concur. Text in this section will be revised to address comments and rewritten to directly reflect the requirements of CERCLA §120(h)(4)(A)(iv), as noted: "visual inspection of the real property and any buildings, structures, equipment, pipe, pipeline, or other improvements on the real property, and a visual inspection of properties immediately adjacent to the property". Within the CERFA assessment, visual inspections were conducted for the purposes of identifying uncontaminated property, i.e., CERFA parcels. Visual inspections were conducted on specific portions of the SAAD property for which there was no existing evidence of storage, release, or disposal of hazardous substances or petroleum products or their derivatives. If information on current or former activities conducted in a specific area, or information from any of the environmental investigations indicated that a specific area should be disqualified from consideration as a CERFA parcel then physical inspection of that area was not a priority. However, all potential CERFA parcels and CERFA parcels with qualifiers were inspected. The results of the visual inspections are referenced in Table 5.1-1 if evidence for disqualification was observed during the site visit. For buildings that were known to have been utilized for similar activities, such as the large warehouses, selected portions of the warehouses were inspected.

Based on the hazardous materials inventory information and on-site observations, all of the warehouses were disqualified for hazardous substance or petroleum product or derivative storage.

9) Comment: Section 2.4, Visual Inspections.

Also, there is no mention of any physical inspection of adjacent property, which is required by §120(h)(4)(A)(v).

Response: Concur. Text in this section will be rewritten to directly reflect the requirements of CERCLA §120(h)(4)(A)(v), as noted: "physical inspection of the property adjacent to the real property, to the extent permitted by owners or operators of such property."

The following information will also be added to this section. A windshield tour of the immediately adjacent property was performed on September 1, 1993 as part of the site visit; none of the adjacent properties appeared to represent a likely source of release or threatened release of hazardous substances or petroleum products or their derivatives. The Federal and State database search confirmed this observation.

10) Comment: Sec. 2.5, Title Documents

The Report should verify whether the "[t]itle documents available from the U.S. Corps of Engineers Real Estate Division" include all recorded chain of title documents, as required by §120(h)(4)(A)(ii), for parcels evaluated in the CERFA Report. Also, if "all property currently compromising" SAAD was acquired in the 1940s, then why make a distinction for property acquired the U.S. Army prior to 1970? Finally, since the purpose of reviewing title documents and other information under §120(h)(4)(A) highlight any prior property ownership that would appear to be of environmental concern and discuss the use of the property under that ownership.

Response: Concur. More information will be included in the final CERFA report which clarifies how the Army satisfied this requirement. This requirement was satisfied based on a legal interpretation of the CERFA legislation to define the title search requirements. This interpretation concluded that a comprehensive, document-by-document, conveyance-by-conveyance title search is not required by the CERFA statute. This conclusion was reached because of the following:

1) CERFA specifies recorded title documents are to be consulted, but does not specify how far back in time the search is to go. In addition, Congress failed to identify the extent to which this title document review should be performed.

2) The intended scope of the recorded chain of title investigation was interpreted in conjunction with the overall purposes of the CERFA statute: "The Community Environmental Response Facilitation Act...[establishes]...a process for identifying parcels of property that have not been contaminated by the storage, release or disposal of hazardous substances or petroleum products or their derivatives. The expeditious identification of such parcels that do not require environmental response is intended to facilitate the ultimate transfer of such property for economic redevelopment or other purposes." Federal agencies are to minimize adverse impacts from Base Closures (and other cessation of federal operations) by:

- a. Identifying (uncontaminated) parcels most readily susceptible to redevelopment;
- b. Speeding investigation and (as necessary), clean up of potentially contaminated parcels to facilitate their re-use while still protecting the environment; AND
- c. Making clean or restored parcels available for transfer and development without delay.
- d. Remaining responsible for remediation if hazardous substance or petroleum contamination is belatedly discovered after transfer.

3) The House and Senate conferees for CERFA specifically reiterated "...their intention that the review of sources should reference existing documentation when adequate and performed properly, not result in duplication of previous and ongoing efforts and paperwork, and not require new forms."

4) In short, Congress placed title examination among the steps to be taken by government agencies in achieving the first goal enumerated in paragraph 2 above: Identification of uncontaminated property. It was not included in order to "quiet title;" to replace the title search obligation normally placed on real estate purchasers; or to provide an interesting historical record.

5) Of the Congressionally identified "minimum" CERFA investigative requirements, the chain of title examination is least likely to yield information regarding hazardous substance or petroleum product storage, release, or disposal.

Whatever the date of a parcel's acquisition by the Army, most entries in a recorded chain of title are unlikely to provide clues to the parcel's use under the prior owners. Each deed in the chain is unlikely to disclose anything more than a series of owners' names and various subdivisions which led to the metes and bounds of each parcel as it was obtained by the federal government. Property use by owners and tenants has not generally been identified by entries in a chain of title. Only in rare cases will an owner's name or other entry in the pre-Army acquisition chain of title even suggest a parcel may have had a

history involving petroleum or hazardous substances. Even in those cases, identification of a "suspect" owner may not disclose what operations actually occurred on the property.

6) Most Army installations, including those subject to Base Closure (and CERFA investigation) are at least 50 years old (world War II era), or even 75 years old (World War I era). Some may have Nineteenth Century origins. At the time of their creation, many were located in what were largely agricultural areas or even more remote, and virtually all uninhabited locations. For that reason, at virtually all BRAC installations (or portion of installations) acquired during World War II and earlier, any CERFA disqualifying storage, disposal, or release of hazardous substances, petroleum and petroleum derivatives is almost certain to have occurred since the property's acquisition by the Army.

7) Depending when a particular location became subject to colonial, territorial, or state government, a full 100% comprehensive title search for one tract of land could require a deed-by-deed examination extending back through 200, or in some cases, 300 or more years of records. Even the smallest Army installations are likely to have been consolidated from dozens of individually purchased properties. The largest BRAC installations comprise thousands of acres, and were likely to have been built with acquisitions from hundreds, or even thousands of privately owned tracts. A complete search for even one of these tracts, a mere fraction of the total tracts associated with all the BRAC property undergoing CERFA investigation, would require a considerable investment in manhours with little promise of useful data.

8) The U.S. Army Corps of Engineers (USACE) District Real Estate Office serving an installation retains one or more "real estate maps" or "tract maps" which show the (sometimes approximate) metes and bounds of the land parcels reserved, condemned or purchased to create or expand the installation.

These maps also identify the historic property owner from whom the Army obtained each tract. Prior to transfer of a parcel of installation property, the USACE Real Estate office identifies the parcels involved, examines the deeds received for those tracts, and insures that there are no "reverters" or other clauses which could cloud title prior to their transfer by quit-claim deed. If a potential "cloud" on the title or transferability of the property is identified during the preparation of this "abstract of title" or "preliminary title search," the District will examine earlier deeds in the chain-of-title. Otherwise, the examination stops with the deed which transferred the property to the Army.

As a result of these observations, this Center concludes that the

requirements for CERFA "chain of title" examination is satisfied by examining the list of historic owners who originally transferred the current BRAC property to the Federal Government. This information was obtained from transfer documents acquired from the applicable USACE Real Estate office. It is believed that this approach is consistent with the Congressional intent that the CERFA investigations build on existing studies, and supplement them as necessary in order to expeditiously assess and identify potential parcels most readily suitable for re-use.

As shown in Table 2.5-1, the only tracts for which prior ownership would indicate a potential for environmental concern are the three tracts acquired from the Central Pacific Railway Company and the Southern Pacific Company, i.e., Tracts 10, 11A and 11B. This will be noted in the CERFA report. These three tracts run along the western edge of the installation. With the exception of the southwest corner which is within the CERFA Excluded parcel, these tracts are all within areas that have already been categorized as CERFA Disqualified parcels and are not being considered CERFA parcels.

11) Comment: Sec. 3.1.2, Hazardous Materials/Waste Management:

In general, the terms "hazardous materials" and "hazardous waste" are used throughout this Report but are nowhere defined (see earlier comment for sec 1.2, Definition of Terms). It is unclear how these terms overlap with the operative CERFA term "hazardous substances" (defined in CERCLA §101, includes "hazardous waste" as a subset). For example, p. 13 refers to "hazardous materials and hazardous wastes"; statement p. 14 re "[h]azardous materials...include petroleum products."

Response: Concur. "Hazardous substances and petroleum products and their derivatives" is the appropriate phrase within the context of the CERFA assessment; a search-and-replace will be performed to ensure the consistent use of this phrase. The use of "hazardous materials and/or hazardous waste" may be appropriate in specific cases, such as on pages 13 and 14, when discussing the hazardous materials management activities at SAAD; the CERFA contractor will review the use of these terms throughout the document.

12) Comment: Sec. 3.2, Changes to Real Property Environmental Conditions:

We note that completion of remediation of areas contaminated with hazardous substances is not relevant for CERFA purposes, because past contamination eliminates parcels from CERFA eligibility.

Areas on which remedial actions have occurred should be indicated in Table 5.5-1 which discusses the CERFA status of each parcel.

Response: Concur. The information provided in Table 5.5-1 will be checked to confirm that the current status is indicated and consistent with the information provided in Section 4.5. (See also response to California EPA DTSC comments 17-20).

13) Comment: Sec 4.1, Previously Identified Areas Requiring Environmental Evaluation:

The FFA did not categorize sites as "Group 1" or "Group 2."

Response: Concur. Section will be amended; reference to FFA and Group 1 and 2 sites will be deleted.

14) Comment: Sec 4.3, Adjacent or Surrounding Properties:

CERFA requires visual and physical inspections of property adjacent to the real property which is identified as uncontaminated, as well as a records search relating to releases on adjacent property. (See §120(h)(4)(v), (vi), and (vii).) It is EPA's position that the CERFA requirement dealing with adjacent properties applies not only to the outer boundaries of SAAD, but also to the outer boundaries of each individual parcel that is being identified as uncontaminated under Section 120 (h)(4). The focus should be on whether releases have occurred on adjacent property, both on and off SAAD, so that there can be assurance that contaminants from adjacent parcels do not impact uncontaminated parcels. Please provide indication that this requirement has been addressed. It would be helpful to provide such indication with the description of each CERFA parcel contained in Table 5-1 of the CERFA Report.

Response: Concur. In addition to the discussion of properties adjacent or SAAD in Section 4.3, parcels or properties adjacent to the CERFA Parcels or the CERFA Parcels with Qualifiers will be identified and specifically evaluated. The focus will be to determine whether releases have occurred on adjacent property, both on and off SAAD, and to provide assurance that any contaminants from adjacent properties or parcels do not impact the uncontaminated areas designated as CERFA Parcels. Any potential concerns will be identified within the description of each CERFA Parcel and CERFA Parcel with qualifier and if an impact on the parcel is likely, the parcel will be recategorized as CERFA Disqualified. Statements indicating that adjacent properties were considered with respect to potential impact on the CERFA Parcels or the CERFA Parcels with Qualifiers will be provided in Section 5.1.2 and 5.1.3, respectively; appropriate comments will also be included in the Table 5.1-1.

15) Comment: Sec 4.4 Non-CERCLA Environmental Concerns:

As discussed under Sec. 1.2 above, the use of this heading as it applies to asbestos, lead-based paint, radon, etc., is inappropriate. The term should be changed.

Response: Concur. The term "non-CERCLA" is misleading and therefore has been eliminated. The new title for this section is "4.4 Related Environmental, Hazard, and Safety Issues." Also, note that the definition for CERFA Parcel with Qualifier has been rewritten to eliminate use of the term "non-CERCLA."

16) Comment: Sec 4.4. Non-CERCLA Environmental Concerns

It is our understanding that the Army has taken the position that the presence of asbestos and lead-based paint in intact and good condition, the presence of naturally occurring radon (or other naturally-occurring radionuclides), or the presence of PCB-containing transformers that are part of an active electrical supply system need not disqualify property as being uncontaminated under 120(h)(4). The CERFA report should provide the Army's legal rationale for this conclusion, and the Army's approach for determining whether or not storage, release, or disposal has occurred should be clearly set forth in Section 4.4 of the Report. Also, in EPA's view, the presence of these materials should be disclosed to the public and to potential future users of the property.

Response: Concur. In addition to changing the name of Section 4.4 (see response to comment 15 above), a discussion as to how the presence of substances listed in the conditions presented above does not disqualify property as being uncontaminated and the Army's approach for determining whether or not storage, release, or disposal has occurred will be provided. It should be noted, that the Army has not identified the presence of asbestos and lead-based paint to be "in-tact and good condition." Also, by identifying these issues as qualifiers and documenting their presence throughout the report is the Army's intent to disclose this information.

It is the opinion of the USAEC Office of Counsel that absent a release or disposal, the presence of the following will not disqualify a parcel as being uncontaminated: asbestos contained within building materials; lead-based paint applied to building material surfaces; and PCBs, radionuclides or other substances used for their intended purpose. Additionally, the presence of naturally occurring substances, such as radon, in their natural form, or altered solely through naturally occurring processes or phenomena, from a location where they are naturally found, are not considered releases which would disqualify a parcel as being

uncontaminated.

17) Comment: Section 4.4. Non-CERCLA Environmental Concerns

The Draft CERFA Report provides information about the presence and condition of asbestos, radon, and lead-based paint in several areas on the base. For other areas, survey data was not yet complete at the time of the report. It is our understanding that the most recent available data will be included in the final CERFA report.

Response: Concur. As agreed during the meeting in Sacramento on February 10, 1994, all data available by February 15, 1994 will be incorporated into the Final CERFA Report. No additional information on the presence and condition of asbestos, radon, or lead-based paint has been received by the CERFA contractor since the Draft report was prepared. This will be verified with installation personnel.

18) Comment: Pesticides (Sec. 4.4):

The Draft CERFA Report does not mention the use of pesticides on the base and how this may impact the CERFA status of parcels which are otherwise CERFA-eligible. If the Army nominates areas as CERFA parcels which are likely to have been subjected to the use of pesticides and herbicides, EPA Region 9 requests that AEC include information about the pesticides and herbicides used on these areas, and the frequency and amounts of pesticide and herbicide use. EPA Region 9 further requests that AEC provide the legal rationale for the conclusion that areas on which pesticides were once used can be included as uncontaminated areas under CERFA.

Response: Concur. It is the Army's (encl 1) and DoD's (encl 2) position that legal application of pesticides/herbicides/fungicides does not impact the CERFA status of parcels which are otherwise CERFA eligible (uncontaminated). This position is based on the conclusion that legal application of pesticides/herbicides/fungicides was not a CERFA contemplated release of a hazardous substance. AEC's attorney workproduct which supports the Army's and DoD's position is provided at enclosure 2. Section 4.4 of the CERFA report will include a subsection discussing the approach taken in the CERFA assessment to evaluate pesticide/herbicide/fungicide usage.

19) Comment: Sec. 4.4.3, PCB Transformers

The document should be more direct in explaining under what circumstances a parcel containing a PCB transformer will be categorized as a CERFA parcel or a CERFA-Disqualified parcel.

For example, state: "Parcels which contain or have contained leaking PCB-filled transformers have been placed in the CERFA-Disqualified parcel category because a release of hazardous substances has occurred and such parcel cannot be identified as uncontaminated under §120(h)(4) of CERCLA. Parcels which contain no evidence of leaking have been placed in the CERFA parcel category because ..." Also, if storage of PCB transformers occurred, this should be stated.

Response: Concur. A more detailed explanation of how PCB-containing transformer information was used in categorizing parcels for the CERFA assessment will be provided. The wording suggested in the EPA comments, and AEC guidance will be considered.

20) Comment: Sec. 4.5, Sites with Historical or Ongoing Remediation Efforts:

Several of the statements in this section regarding the status of the remediation are outdated or otherwise not necessarily correct, and should be deleted. In fact, for purposes of identifying uncontaminated property of this Report, such detailed descriptions of ongoing remediation are not required. It would be sufficient to identify the contaminated sites where CERCLA response action has been or will be taken, and note that the corresponding parcels are therefore in the "CERFA Disqualified" category.

[The following are examples of the statements which are outdated or incorrect: Existing Groundwater ROD will be amended; Oxidation Lagoons remediation is expected to be completed in 1993; Basewide ROD is expected to be signed "between October 1994 and March 1995"; Pesticide and Battery Disposal area are being conducted as "Removal action in accordance with CERCLA".]

Response: Concur. The status of ongoing remediation efforts will be updated according to information provided in the SAAD comments to the Draft CERFA Report and in the February 1994 BRAC Cleanup Plan. We will consider reducing the level of detail in this section since it is not directly pertinent to the CERFA assessment; however, providing that the information is accurate, it may be appropriate to leave it in for future Environmental Baseline Survey usage. Updated information in the text of this section will be used to update the information in Table 4.5-1 and 5.1-1.

21) Comment: Sec. 4.6, CERFA Excluded Parcels:

Although the parcels are excluded, the Report should establish potential sources of contamination on these properties insofar as

they are adjacent to and impact parcels which the Army nominates as uncontaminated.

Response: Concur. CERFA Excluded parcels will be evaluated more thoroughly to determine whether potential sources of contamination exist on these parcels and may represent a potential source of impact to adjacent CERFA Parcels, including CERFA Parcels with Qualifiers. It should be acknowledged that limited information is available on the CERFA Excluded parcels but they are not expected to represent sources of environmental contamination.

22) Comment: Table 4.1-1:

Abbreviations (HR, HS, HM, HR-P, PS) should be defined (if "HM" and "HS" refer to "hazardous materials" and "hazardous substances", respectively, see preceding comment re using CERFA terms).

Response: Concur. A legend of the abbreviations used on the CERFA map will be added to this table.

23) Comment: Table 4.1-1:

Since there is a "date installed" column, please indicate when the PCB transformers were removed.

Response: Concur. The date of removal of the PCB transformers was not included in the PCB survey. The contractor will contact SAAD to obtain that information and include it in the table, if available.

24) Comment: Sec. 4.5-1:

See comments to Sec. 4.5.

Response: Concur. Recent information regarding status of remediation efforts will be reviewed and the table will be updated with accurate information. (See also response to EPA comment 20).

25) Comment: Sec. 6.0, References:

Aerial photographs evaluated for the historical use or presence of hazardous substances are identified as items R-13 and R-14. Please include the dates and sources of aerial photographs used.

Response: Concur. Two summary reports, evaluating the available

aerial photos for SAAD, were reviewed within the CERFA assessment: the Aerial Photographic Analysis of the Sacramento Army Depot, prepared in 1990 for the U.S. Army Corps of Engineers by Kleinfelder, Inc.; and the Air Photo Analysis, prepared in 1981 for USATHAMA by the U.S. EPA Environmental Monitoring Systems Laboratory. These reports include an evaluation of the available aerial photographs to identify areas of former activities that could result in environmental impacts; the areas of potential concern were further investigated in SAAD environmental assessments. The primary purpose, within the CERFA assessment, of reviewing these photographs was to confirm that there was no evidence of former storage, release, or disposal of hazardous substances or petroleum products or their derivatives within potential CERFA parcels. A re-interpretation of the photographs was not performed. None of the photographs demonstrated evidence of former storage, release or disposal of hazardous substances or petroleum products or their derivatives within any of the CERFA Parcels, including the CERFA Parcels with Qualifiers. In addition, the dates of the photographs will be added.

PARCEL SPECIFIC COMMENTS

The following comments refer to "CERFA Parcels"

26) Comment: Parcel 1aP - We request that the report include indication of how this parcel may have been impacted by contamination on adjacent parcels. (See comment on sec. 4.3 above.) There are several possible impacts to this parcel: a UST was formerly located on adjacent Parcel 1bD and an AST is currently located there. Outside the base boundary, adjacent to the north west corner of the base, the Draft CERFA report notes that Proctor and Gamble had a leaking underground storage tank (#L13450) and that four spills occurred in the area (#340950, #342250, #335057, #342150). We request that the document identify how these elements did or did not impact a finding of uncontaminated for Parcel 1aP.

Response: Concur. As agreed at the meeting on February 10, 1994, Parcel 1a will be merged with Parcel 1b and the entire parcel will be Disqualified (Parcel 1D-PS/A/L(P)). The subdivision of this area was not necessary or useful to the installation. Text and table will be revised, as appropriate.

27) Comment: Parcel 7P- We request that the report include indication of how this parcel may have been impacted by contamination on adjacent parcels. (See comment on Sec. 4.3 above.) The other boundaries of Parcel 7P are adjacent to parcels 5,6,8,9, and 24, where storage occurred and a UST was removed. In addition, this parcel may have been impacted by

contamination from sources outside the base boundary. The color-coded maps produced by Environmental Database, Inc. identify 3 reports of leaking tanks in the vicinity of this parcel. (These tank sites are coded L13610, L13366, L13303.) We request that the document identify how these leaking tanks did or did not impact a finding of uncontaminated for Parcel 7P.

Response: Concur. See response to EPA comment 14 above. Specifically, Parcels 4,6,8,9 and 24, as well as adjacent property outside of SAAD will be evaluated to determine likely impact on Parcel 7P. The potential impact of a nearby leaking UST (#L13450) and spills (#340950, #342250, and #335057) will be reviewed. (A similar evaluation will also be performed for Parcel 10P although it was not specifically included in the comments.) The text and Table 5.1-1 will be revised to reflect evaluation.

28) Comment: Parcel 13aP-Railroad tracks may impact property categorization depending on base-specific operations. Areas where trains have been loaded and unloaded (rail spurs, several lines of rail running parallel to each other, etc.) may have a high probability of releases of petroleum and hazardous substances. In a meeting with Base staff and with Cal/EPA representatives at Sacramento Army Depot on January 11, it was agreed that the rail use history of Parcel 13aP indicated that it was likely to be affected by releases which would disqualify it from CERFA status. Representatives subsequently communicated this opinion via conference call to Dominique Edwards of your office.

Response: Concur. As agreed at the meeting in Sacramento on February 10, 1994, Parcel 13a will be merged with Parcel 13b and the entire railroad track area will be Disqualified (Parcel 13D-HR/A/L(P)). Text and table will be revised, as indicated in the comment.

29) Comment: Parcel 86P - The so-called contractor spoils area was nominated as a CERFA parcel along with 5 other parcels in this area. The contractor spoils area is parcel 86P. In the meeting with Base staff and with Cal/EPA representatives at Sacramento Army Depot on January 11, it was acknowledged that the BCT was awaiting results from sampling taken at the contractor spoils area to verify whether it was affected by contamination. It was agreed that until sampling verification is received, the BCT could not rule out the possibility that the parcel was affected by releases which would disqualify it from CERFA status. Representatives subsequently communicated this opinion via conference call to Dominique Edwards of your office. If sampling results indicate no contamination, and if they are received in time to be included in the final CERFA report, the BCT agreed

that Parcel 86P could be nominated as a CERFA parcel.

Response: Concur. Based on additional comments from SAAD and regulatory agencies, Parcel 86 will be reclassified as a disqualified parcel (Parcel 86D-HR). The area is currently under investigation for potential release and/or disposal of hazardous substances. The BRAC Cleanup Team is awaiting results of the sampling program to determine whether the area is contaminated. Until those results are reviewed, the possibility that the area was affected by releases cannot be dismissed, and the area would be disqualified from consideration as a CERFA Parcel. Text and table will be revised.

30) Comment: Parcel 87P - We request that the report include indication of how this parcel may have been impacted by contamination from adjacent parcels, including the CERFA-excluded parcels on the southern boundary. (See comment on Sec. 4.3 above.) The color-coded maps produced by Environmental Database, Inc. identify reports of spills in the vicinity of this parcel outside the eastern base boundary across Florin Perkins Road (#325358, #598051). We request that the document identify how these leaking tanks did or did not impact a finding of uncontaminated for Parcel 87P. More specific information about the PCB transformer contained in Parcel 87 (listed in Table 41401) should be given to support categorization as a CERFA Parcel.

Response: Concur. See response to EPA comment 14 above. Specifically the adjacent parcels within SAAD, as well as the spills reported outside the eastern installation boundary (#325358 and #598051) will be evaluated to determine likely impact on Parcel 87P. The contractor will attempt to get additional information on PCB transformer #62 listed on this parcel. The text and Table 5.1-1 will be revised to reflect the evaluation.

Note: In evaluating additional data, information in the BRAC Cleanup Plan has led to the recategorization of this parcel to CERFA Disqualified. Additional information will be provided in the CERFA report.

31) Comment: Parcels 92P, 93P, 96P, 97P - We request that the report include indication of how these parcels have been impacted by contamination from adjacent parcels, including the CERFA-excluded parcels on the southern boundary. (See comment on Sec. 4.3 above).

Response: Concur. See response to EPA comment above. Specifically, all parcels adjacent to Parcels 92P, 93P, 96P, and 97P, including the CERFA Excluded area south of these parcels,

will be evaluated to determine the likely impact on these parcels. The text and Table 5.1-1 will be revised to reflect the evaluation.

The following specific comments refer to "CERFA with Qualifier Parcels":

32) Comment: Parcel 2Q - The parcel contains a pool and a bath house. EPA staff received indication that chlorine gas containers may have been stored on the parcel for purposes of pool chlorination. If such storage occurred for one year or more, the parcel cannot be considered a CERFA parcel.

Response: SAAD will provide the reference for chlorine storage and the contractor (Arthur D. Little, Inc.) will change the designation from Qualified to Disqualified (Parcel 2D-HS/A/L(P)). Text and table will be revised.

33) Comment: Parcels 3Q, 11Q, 72Q, 73Q, 94Q, 95Q - We request that the report include indication of how these parcels have been impacted by contamination from adjacent parcels. (See comment on Sec. 4.3 above.) See comment on Sec. 4.4 above concerning asbestos and lead-based paint.

Response: Concur. See response to EPA comment 14 above. Specifically, all parcels adjacent to these parcels will be evaluated to determine likely impact on these CERFA Parcels with Qualifiers. The text and Table 5.1-1 will be revised to reflect the evaluation.

AEC will provide additional guidance regarding the issue of asbestos and LBP, as presented in EPA comments 15 and 16 above.

The following specific comment refers to "CERFA Disqualified Parcels:

34) Comment: Parcel 12 - "RCRA Removal Action" is an incorrect term; presumably the Army means either "RCRA corrective action" and/or "RCRA closure".

Response: Concur. The contractor will confer with SAAD to determine appropriate term for the activity referred to as "RCRA Removal Action" to ensure consistency with other documents. Text and Tables 4.5-1 and 5.1-1 will be modified.

SFIM-AEC-JA (SFIM-AEC-BCA/25 Jan 94) (200) 1st End

MAJ German/dsl/5-1551

SUBJECT: The Impact of the Application of Pesticides on CERFA Properties

C, OC

28 JAN 1994

FOR C, BCD, ATTN: MAJ Light

1. Issue. How does the legal application of pesticides on a real property parcel affect its characterization under CERFA?
2. Conclusion. The mere legal application of pesticides on a real property parcel does not prevent its characterization as a "CERFA Parcel."
3. Background.

a. In an attempt to expedite the transfer of excess federal property for community reuse, Congress amended the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA),¹ by passing the Community Environmental Response Facilitation Act (CERFA).² One of the requirements imposed on federal agencies by CERFA is the identification of uncontaminated real property on certain designated federal lands.³ For purposes of CERFA, uncontaminated property is "...real property on which no hazardous substances and no petroleum products or their derivatives were stored for one year or more, known to have been released, or disposed of."⁴

b. Identification of CERFA uncontaminated parcels is essentially a process of elimination via identification of ineligible parcels. This is accomplished by reviewing, as a minimum, the sources of information outlined in sections (i)-(vii) of CERCLA § 120(h)(4)(A)⁵. Once a parcel has been identified as contaminated, no further investigation under CERFA is required.

¹ 42 U.S.C. §§ 9601 et. seq.

² P.L. 102-426, 106 Stat. 2174 (October 19, 1992); 42 U.S.C. § 9620(h).

³ 42 U.S.C. § 9620(h)(4)(A)

⁴ Id.

⁵ 42 U.S.C. § 9620(h)(4)(A)(i)-(vii).

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SUBJECT: The Impact of the Application of Pesticides on CERFA Properties

c. Even if a parcel is found to be uncontaminated under the guidelines provided by CERFA, it may still have environmental or safety problems unrelated to hazardous substances or petroleum which would render it less than "clean."⁶ Additionally, there may be parcels which, although located on federal facilities subject to CERFA, will not be available for re-use or redevelopment by local governments or the private sector.

d. In order to reduce some of the confusion which may have arisen by the designation of parcels as clean, dirty, or conditionally clean, the United States Army Environmental Center (USAEC) developed a classification system divided into four categories of CERFA parcels. These four categories are:

(1) CERFA Parcels. A parcel subject to CERFA analysis and found not to have been subject to storage, release or disposal of hazardous substances or petroleum products or their derivatives, nor threatened by such releases.

(2) CERFA Disqualified Parcels. A parcel subject to CERFA analysis and found to have been subject to storage, release or disposal of hazardous substances or petroleum products or their derivatives, or is threatened by such releases.

(3) CERFA Parcel with Qualifier(s). A parcel subject to CERFA analysis and found not to have been subject to storage, release or disposal of hazardous substances or petroleum products or their derivatives, nor threatened by such releases; but upon which non-CERCLA related environmental or safety issues are known or suspected to exist which would preclude the immediate transfer of the parcel for unrestricted use.

(4) CERFA Excluded Parcel. A parcel located on an installation subject to CERFA analysis but not itself subjected to a CERFA analysis because it will be retained by the military; or, is to be transferred to another federal agency for a specific use; or, has already been transferred.

4. Analysis.

a. The classification of a CERFA eligible parcel which has been or suspected to have been subjected to application of pesticides hinges on whether:

⁶ Such parcels would include those with such environmental or safety concerns as lead based paint, friable asbestos, radon gas, and impact areas containing UXO.

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- (1) the pesticide was a hazardous substance; and
- (2) stored on the property for one year or more; or,
- (3) known to have been released; or,
- (4) known to have been disposed of.

b. The first question then that needs to be addressed is whether the pesticide in question is a hazardous substance. For the purpose of CERFA investigations, hazardous substances are defined by section 101 (14) of CERCLA.⁷ This section defines hazardous substances to include substances designated under certain provisions of other environmental statutes: Sections 307 (a) and 311 (b)(2)(A) of the Federal Water Pollution Control Act (Clean Water Act); Section 112 of the Clean Air Act; Section 3001 of the Solid Waste Disposal Act (commonly known as the Resource Conservation and Recovery Act); and section 7 of the Toxic Substance Control Act. In addition, Section 102 (a) of CERCLA requires the Administrator of the Environmental Protection Agency (EPA) to promulgate regulations to designate as hazardous substances, other elements, compounds, mixtures, solutions, and substances that may present substantial danger to public health or welfare or the environment when released into the environment. These regulations are compiled at 40 CFR Part 302. Most pesticides meet the definition of a hazardous substance as defined by sections 101 (14) and 102, but not all do. A notable example is metam sodium, the pesticide that leaked from a railroad tank car into the Sacramento River near Dunsmuir, California, on 14 July 1991.⁸

⁷ 42 U.S.C. § 9610(14).

⁸ Approximately 15,000 gallons of metam sodium spilled into the Sacramento River killing an estimated 100,000 fish in a 45-mile stretch of the river. Although this pesticide's label warned it was highly toxic to fish and reacted strongly in water, it was not listed on any of the six lists compiled under federal laws that regulated hazardous substances. Boxer Calls for Immediate Addition of Metam Sodium to Superfund, DOT Listings, [22 Current Developments] ENV'T REP. (BNA) 1032 (Aug. 9, 1991).

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c. Assuming it has been determined that the pesticide in question is a hazardous substance, the inquiry shifts to whether there has been a storage for one year or more, or either a known release or disposal. Storage for one year or more or known disposal are straight forward concepts that require no further explanation. If either of these two events has occurred, the property is a CERFA Disqualified Parcel. The tough question is how the term "release" applies to the legal application of a pesticide.⁹

d. "Release" is defined by CERCLA to include "pumping, pouring, [and] emitting,"¹⁰; terms clearly broad enough to encompass any readily conceivable method of pesticide application. Thus at first glance, it would appear that the application of a pesticide would constitute a release. However, two other references to pesticides in CERCLA support the proposition that the legal application of pesticides were not intended to be considered releases under CERCLA.

(1) Section 103 of CERCLA¹¹ deals with the notification requirements respecting released hazardous substances. Subsection (e) of this section specifically exempts the application of pesticide product registered under FIFRA¹²

⁹ For the purpose of this analysis, the term "legal application" refers to the use of a pesticide in accordance with the labeling instructions mandated by the Federal Insecticide, Fungicide, and Rodenticide ACT (FIFRA) 7 U.S.C. § 136 et. seq.

¹⁰ 42 U.S.C. §9601(22).

¹¹ 42 U.S.C. § 9603.

¹² 42 U.S.C. § 9603(e), which states:

(e) Applicability to registered pesticide product

This section shall not apply to the application of a pesticide product registered under the Federal Insecticide, Fungicide, and Rodenticide Act [7 U.S.C.A § 1366 et. seq.] or to the handling and storage of such a pesticide product by an agricultural producer.

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(2) Additionally, the liability provisions of section 107 CERCLA do not apply to the results of pesticide application. Section 107(i) provides, in pertinent part, that "[n]o person (including the United States or any State) may recover under the authority of this section for any response costs or damages resulting from the application of a pesticide product registered under the Federal Insecticide, Fungicide, and Rodenticide Act."¹³ Whereas the remainder of Section 107(i) clarifies that those responsible for pesticide contamination are not exempted from common law liability for their actions,¹⁴ the clear message in section 107(i) is that there is no liability under CERCLA for the legal application of pesticides.

e. Even though Congress could have exempted the application of pesticides from the definition of release, as it did in regards to the normal application of fertilizers,¹⁵ it would appear that the special treatment of pesticides provided pursuant to sections 103(e) and 107(i) support the conclusion that the legal application of pesticides was not a CERFA contemplated release of a hazardous substance. A contrary conclusion would lead to the preposterous result that any property subjected to the legal application of any pesticide considered a hazardous substance would fail to qualify as a CERFA parcel; regardless of the amount applied or when it had been applied. For example, this analysis would result in the classification of all military property subjected to aerial spraying of pesticides to control mosquitoes and any set of quarters sprayed for cockroaches as

¹³ 42 U.S.C. §9607(i).

¹⁴ The last sentence of section 107(i) states:

Nothing in this paragraph shall affect or modify in any way the obligations or liability of any person under any other provisions of State or Federal law, including common law, for damages, injury, or loss resulting from a release of any hazardous substance or for removal or remedial action or the costs of removal or remediation action of such hazardous substances.

¹⁵ 42 U.S.C. § 9601(22) (D).

28 JAN 74

SFIM-AEC-JA

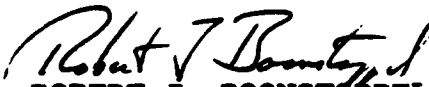
SUBJECT: The Impact of the Application of Pesticides on CERFA Properties

CERFA Disqualified. Given the Congressional intent underlying the passage of CERFA, it is hardly likely that Congress intended such a result.

5. Summary. The legal application of pesticides should not result in a parcel subject to CERFA being classified as a CERFA Disqualified Parcel. Absent evidence to support a finding that hazardous substance pesticides were: (1) stored on the property for one year or more; or, (2) released in a manner that would be considered beyond the scope of a legal application; or, (3) disposed of on the CERFA eligible property, the property should be classified as a CERFA Parcel. At most, property upon which pre-FIFRA pesticides were known to have been applied should be classified as CERFA Parcels with Qualifiers.

6. POC for this action is MAJ German, 5-1554.

Encl
nc



ROBERT J. BOONSTOPPEL
COL, JA
Command Counsel

25 JAN 1994

MEMORANDUM FOR C, OC, ATTN: SFIM-AEC-JA (MAJ JOHN GERMAN)

SUBJECT: Routine Pesticide/Herbicide Application As It Relates to Community Environmental Response Facilitation Act (CERFA) Designations

1. Currently, this Center has issued guidance to Community Environmental Response Facilitation Act (CERFA) contractors that routine pesticide/herbicide usage (on golf courses, for example), in accordance with manufacturers' directions, is exempted from the Community Environmental Response, Compensation, and Liability Act (CERCLA) and, therefore, should not disqualify a parcel which is otherwise "uncontaminated." The present position taken by the Illinois Environmental Protection Agency (IEPA) is that the Fort Sheridan golf course should not be designated a CERFA parcel due to the routine use of pesticides/herbicides, prior to enactment of stricter 1972 Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) amendments and other related laws. Their concern is the use of pesticides such as DDT, Aldrin-Dieldrin, and the herbicide 2,4,5-T.
2. Request Office of Legal Counsel verify the exemption from CERCLA for routine pesticide/herbicide application. Also, provide a determination on the appropriateness of the CERFA parcel designation where routine pesticide/herbicide usage occurred and no sampling was performed to confirm the negative.
3. The POCs for this matter are Mr. Russell Fendick, ext. 5-1630, or MAJ Ronald Light, ext. 5-1613.


PAUL E. WOJCIECHOWSKI
LTC, CM
Acting Chief
Base Closure Division

CF:
AC, FOB-P

PFFL HEADQUARTERS
MAR-14-1994 18:11 FROM SAILE-ESCH

03-14-94 12:56 #2
TO ODEP-ROSSLYN P.03
ENVIRONMENTAL SECURITY

03-11-1994 18:28 703 693 7011



ACQUISITION AND
TECHNOLOGY

OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON
WASHINGTON DC 20301-5000



MAR 10 1994

Mr. Steve Herman
Assistant Administrator
Environmental Protection Agency
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Mail Code 2211
Washington, DC 20460

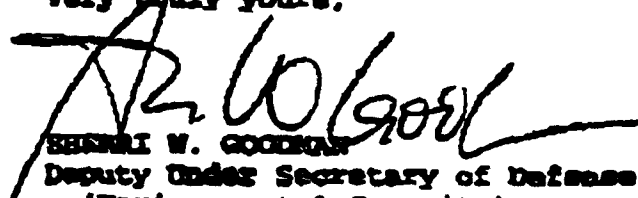
Dear Steve:

On March 9, 1994, we spoke about an issue involving CERCLA Sec. 120 clean parcel determination. According to reports I have received from the Navy, EPA Region IX has taken the position that areas where pesticides were applied, albeit legally and appropriately, cannot be certified as "CERFA clean." The result would be that golf courses, recreation areas, and possibly even residential lawns could not be identified as CERFA clean. I doubt that Congress intended such an interpretation. Moreover, it will not further our joint efforts in "fast track" cleanup at closing bases. Administrative burdens would likely increase. The Navy suggests EPA might want a "no action ROD."

This issue is time sensitive due to the requirement for clean parcel concurrence by April 19, 1994. I request EPA confirm that the normal use of pesticides on a parcel will not in itself prevent a "clean" determination.

Thank you for your consideration. My point of contact is Pat Rivers at (703) 697-9789.

Very truly yours,


SHERRI W. GOODMAN
Deputy Under Secretary of Defense
(Environmental Security)

cc:
Katie Munsell
Don Walker
Alan Babbitt
Pat Rivers

Environmental Security  Defending Our Future

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02/09/94 17:55 2415 744 1041

CRSPD-OC
EPA REG 6 (ORC)

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX

75 Hawthorne Street
San Francisco, Ca. 94103-3901

February 9, 1994

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VIA FAX & US MAIL

Gentlemen:

Region IX has been reviewing several Environmental Baseline Surveys (EBSs) for BRAC bases. As we have been reviewing these documents, a number of legal issues have arisen regarding the transfer of property by deed under §120(h)(3) and the identification of uncontaminated property under §120(h)(4) of the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"). I believe it is critical that EPA and DOD come to a meeting of the minds on these various issues. This letter will serve to identify two of these issues and describe Region IX's preliminary position in regard to them. I do not know all of the attorneys for the various services who may be involved in drafting or reviewing EBSs, so I am sending this letter to you and ask you to share it with your colleagues.

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1. How does the application of pesticides on a parcel affect the determination that property is uncontaminated under §120(h)(4)?

Only property where no hazardous substances and no petroleum products or their derivatives were stored for one year or more, known to have been released, or disposed of qualifies as uncontaminated under §120(h)(4).

Pesticides, though a generic term, are most often comprised of CERCLA hazardous substances. For example, DDT is listed in 40 CFR §302.4 as a hazardous substance because it is both a hazardous waste under RCRA and a pollutant or contaminant under the Clean Water Act. Some EBSs that we have reviewed indicate that pesticides are not CERCLA hazardous substances. This is inaccurate and should be corrected in future drafts.

Storage of pesticides would preclude the identification of a parcel as uncontaminated under §120(h)(4). Some have argued that storage of a small quantity of pesticides should not trigger storage under §120(h)(4). While a "de minimis" exception to the storage requirement might be reasonable, we have not yet reached a conclusion whether a de minimis exemption is appropriate under §120(h)(4).

The application of pesticides has caused greater concern than storage. In many of the EBSs that we have reviewed, the application of pesticides has not been addressed at all in discussions regarding hazardous substance releases. For example, the Mather Air Force Base EBS specifically discusses a pesticide mixing area that was operated by golf course maintenance staff. The EBS does not identify the mixing area as an uncontaminated parcel under §120(h)(4). Yet the adjacent golf course is identified as uncontaminated without any discussion of the probable application of pesticides. EBSs should be modified to identify areas where pesticides have been applied.

In other EBSs that we have reviewed, the facilities have addressed the pesticide issue by maintaining that the proper application of pesticides should not be categorized as a release or disposal under CERCLA/CERFA. For example, the El Toro EBS stated that "[t]he use of pesticides on agricultural lands over many years usually leaves detectable residues in soil at very low concentrations. However, RCRA regulation exempt commercial chemical products if they are applied to the land and that is their ordinary manner of use (40 CFR 261.2(c)(1)(B)(ii))." (El Toro EBS § 8.0) The argument continued that because the application was lawful it was not a release under CERFA.

The referenced CFR provision provides that chemical commercial products listed in 40 CFR §261.33 that are applied to land where such application is the ordinary manner of their use are not solid wastes. However, this exclusion is only of benefit for pesticides which are hazardous substances solely because they are RCRA hazardous wastes. As stated above, most pesticides are hazardous substances due to their listing under several environmental

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statutes, not just RCRA.

It has also been argued that the application of pesticides should not be a release because CERCLA excludes the normal application of fertilizer from the definition of release. EPA, however, has already concluded that while the definition of release excludes application of fertilizer, it does not exclude application of pesticides. 49 Fed. Reg. 40320, 40324 (October 15, 1984).

Additionally, it has been argued that because reporting the application of pesticides is not required under CERCLA §103, then application of pesticides is not a release. CERCLA §103(e) excludes the requirement to notify the National Response Center of a release, it does not provide an exception to the definition of release. The definition of release does provide for four specific exclusions: application of pesticides is not one of them.

An additional matter of concern is the exemption from liability contained in section 107(i). Section 107(i) provides that "[n]o person . . . may recover under the authority of this section for any response costs or damages resulting from the application of a pesticide product under the Federal Insecticide, Fungicide, and Rodenticide Act."¹ While this provision may limit the ability to recover expenses incurred in a response action, it does not limit the ability to take a response action based on the application of pesticides.

Therefore, it appears that the application of pesticides would preclude identification of a parcel as uncontaminated under §120(h)(4), even in situations where the application was part of ordinary pesticide usage. Please provide me with your comments on this issue as soon as possible given that the statutory deadline for EPA's concurrence on the identification of uncontaminated parcels for BRAC I and II NPL bases is April 19, 1994. Any revisions to HBSs to reflect the application of pesticides must be made before this deadline.

IX. What mechanisms must DOD use to transfer parcels under §120(h)(3) where no remedial action needs to be taken?

Under §120(h)(3), a transfer by deed for property on which any hazardous substances were stored for one year or more, known to have been released, or disposed of must be accompanied by a covenant warranting that "all remedial action necessary to protect

¹ It is important to note that the liability exclusion is limited to the "application" of pesticides. While CERCLA has no definition of "application," FIFRA, at 40 C.F.R. § 162.3(j) defines "application of pesticide" as the placement for effect of a pesticide at or on the site where the pest control or other response is desired. United States v. Advance Chemical Company, 1989 U.S. Dist. LEXIS 17877 (page 10) (1989). The liability exclusion does not cover the disposal of pesticides. Id.

31 Mar 94

USAEC Response to Comments provided by Cal EPA DTSC on the Draft CERFA Report for Sacramento Army Depot

Note: USEPA Region IX is the lead regulatory agency for this site.

GENERAL COMMENTS

1) Comment: During our conference call on January 11, 1994, it was agreed by all parties that the Contractor Spoils Area and the Southern Pacific Railroad track area will be removed from consideration as CERFA parcels.

Response: Concur. The Contractor Spoils Area and the Southern Pacific Railroad track area will be designated as CERFA Disqualified. Parcel 13aP will be merged with Parcel 13b and will be recategorized as 13D-HR/A/L(P). Parcel 86P will be recategorized as 86D-HR. (See response to EPA comments 28 and 29).

Section 1.1

2) Comment: Consistency in using either the terms BRAC I and II or BRAC 88 and BRAC 91 would be helpful. Document uses BRAC I and BRAC 91.

Response: Concur. Section 1.1 has been rewritten by AEC (see encl 1). BRAC I will be referred to as BRAC 88 to provide consistency with the subsequent rounds of closure.

3) Comment: Document states that the Public Laws designating bases to close made it necessary to investigate and clean up environmental contamination prior to the release and reuse of the property. Legally, it would be necessary for the Army to remediate environmental contamination even if the base were not closing.

Response: Concur. Section 1.1 has been rewritten to eliminate confusion.

4) Comment: Please clarify language regarding what CERFA actually does with respect to contamination assessment, cleanup, and regulatory agency notification/concurrence for federal facility closures. It requires the federal government, before termination of federal activities on real property to identify property where no hazardous substance was stored for one year or more, released,

or disposed of. Also, the designation must be concurred with by the appropriate regulatory agency.

Response: Concur. Section 1.1 has been rewritten to more closely track the CERFA Public Law 102-426. The Army would like to note that CERFA is essentially an identification and notification process (for "uncontaminated property"). CERFA does not address cleanup of federal facilities.

Section 1.2

5) Comment: Document states that a CERFA Parcel is one on which there is no evidence of current or historic storage for a one year period. A more accurate description would be no storage for greater than a one year period.

Response: Section 1.2 has been rewritten to more closely track the language of CERCLA §120(h)(4)(A).

6) Comment: It is our understanding that the Army is taking the position that the presence of asbestos or lead-based paint, the presence of naturally-occurring radon (or other radionuclides), or the presence of inactive PCB containing equipment need not disqualify property from being designated a CERFA or CERFA Qualified Parcel. Please provide in the report the legal and technical rationale that was used to reach this conclusion.

Response: Concur. See response to EPA comment 16.

7) Comment: Please describe if the asbestos survey was comprehensive enough to indicate friability. When the asbestos survey was conducted, please indicate whether all buildings were visually inspected to determine the condition of asbestos.

Response: Concur. The CERFA contractor will confirm with SAAD whether the asbestos survey was comprehensive enough to indicate friability and that all buildings were visually inspected to determine condition. Section 4.4.1 will be amended if necessary.

8) Comment: Please provide an analysis of the review of aerial photographs indicated in your draft document. If nothing was observed, please state so in the document. Likewise, we would like to see statements that indicate that there was no likelihood of CERFA parcels being affected by sources of contamination on any adjacent parcels.

Response: Concur. See response to EPA comment 25. This section will be expanded to provide additional discussion of the process

used to conduct the CERFA assessment.

9) Comment: Please indicate where building 73 Q A/L(P) is located and whether it is the guard house. It is not depicted on the map. Also, it is our understanding that buildings 458 and 459 do not exist. They are, however, depicted on the map.

Response: Concur. We believe the first part of the comment refers to Building 393 in Parcel 73; building 393 is the guard house. According to SAAD, buildings 458 and 459 have been removed; we will remove them from the map.

10) Comment: Property 2Q-A/L(P) is listed as a CERFA parcel. It is our understanding that the swimming pool area stores chlorine gas for pool treatment. Please provide documentation to indicate the period of time the chlorine gas was stored.

Response: Concur. SAAD will provide the reference for chlorine storage and parcel 87's designation will be changed from Qualified to Disqualified. (See also response to EPA comment 32).

SPECIFIC COMMENTS

Section 2.1 (not 1.3 as indicated)

11) Comment: The document states only that the aerial photographic analysis of Kleinfelder was reviewed. Was there any other information or documents gathered by Kleinfelder that were used in preparing this report?

Response: Concur. In addition to the primary documents listed above and the specific documents cited in this report and referenced in Section 6.0, a number of other documents, prepared during the course of the environmental assessments and investigations at SAAD, were made available. Since many of these documents had been reviewed and incorporated into the earlier overall assessments, not all of these were referenced directly during the CERFA assessment. A complete list of the available SAAD documents is provided at the end of Section 6.0. (See response to EPA comment 25).

Section 2.1

12) Comment: The RCRA Notifier Facility Report states that 32 RCRA-permitted facilities were within a one mile radius. This implies that these businesses hold permits as treatment/storage/disposal (TSD) facilities. Further language in the document indicates that these 32 are only generators. This should be clarified.

Response: Concur. The CERFA contractor will check the database writeup for the RCRA Notifier Facility Report. The text in the CERFA report will be revised to eliminate the confusion as to whether these adjacent businesses hold TSD permits or are just generators.

13) Comment: The list of documents which were used to assess whether potential environmental releases have occurred, did not cite one critical document which as used by later investigators as a basis for determining if a number of sites require further investigation or are No Further Action (NFA) sites. This document is: Environmental Contamination Survey and Assessment of Sacramento Army Depot (SAAD). Battelle, November 1981. (RWQCB)

Response: Concur. The Environmental Contamination and Assessment report was evaluated in the Enhanced Preliminary Assessment. This report will be listed in Section 6. (See response to DTSC comment 11).

Section 2.3

14) Comment: CERFA DoD Guidance indicates that interviews of current and/or former employees involved in operations on the real property should be conducted. The list of interviewees in table 2.3-1 does not indicate that these workers were among those interviewed, and if they are current or former employees.

Response: Concur. In addition to the interviews conducted during the CERFA assessment, extensive interviews of current and former SAAD employees involved in operations at SAAD were carried out as part of the Installation Assessment (USATHAMA 1979) and the Enhanced Preliminary Assessment (Weston 1990); these interviews were not duplicated in the CERFA report. (See response to EPA comment 7).

Section 3.1.1

15) Comment: Please define JSIIDS.

Response: The CERFA report will define JSIIDS in the CERFA report as "Joint Security Intrusion Interdiction Detection System."

Section 3.2

16) Comment: Please indicate the location of Building 250. It does not appear to be on the map.

Response: Concur. Building 250 is not actually a building

although it does have a building number. It is the active 4,000-gallon diesel UST and is indicated on the map by the UST symbol within Parcel 14.

17) Comment: Please update sections where they state that remediation/removal activities have been planned in certain areas if they are now complete (such as Pesticide Mix area).

Response: Concur. Sections will be updated to indicate completed remediation/removal activities. (See response to EPA comment 20).

18) Comment: Document states that certain AREEs have been reclassified as NFA Sites. The regulatory agencies have not agreed that these are definitively NFA sites.

Response: Concur. The CERFA report will be changed to state that those AREEs referred to in your comment are "proposed" NFA sites.

Section 4.1

19) Comment: This section should be amended and state the regulatory agencies will provide final concurrence for Group B and C NFA sites during finalization of the Final Feasibility Study (FS). (RWQCB)

Response: Concur. Section 4.1 will be amended to state that the regulatory agencies will provide final concurrence for Group B and Group C NFA sites during finalization of the Final Feasibility Study (FS).

Section 4.5

20) Comment: The text should be amended and state that a major source of groundwater contamination is the South Post Burn Pits. However, other source areas for TCE and other VOCs exist such as Parking Lot #3 and several other source areas in the central section of the Depot. (RWQCB)

Response: Concur. Section 4.5 will be amended to include a summary statement for groundwater contamination.

Note: The BRAC Cleanup Plan will be referenced to address comments 17-20.

5 Apr 94

**USAEC Response to California Department of Health Services'
Comments on the Draft CERFA Report for Sacramento Army Depot**

Note: USEPA Region IX is the lead CERFA regulator for this NPL site.

Response to General Comments (See DHS January 20, 1994 letter for general comments):

Past use, storage, and disposal of radioactive material are an environmental issue at Sacramento Army Depot due to the mission of that installation. The Army concurs with the general comment that the CERFA report lacks an adequate discussion of past use, storage and disposal of radioactive material, however, it is not the intent of the CERFA report to detail such discussions but to conduct the CERFA seven step protocol to reach determinations of "uncontaminated" property. Discussions of radiological use, storage, and disposal are contained in several documents including the Installation Assessment Report (December 1979) and the Enhanced Preliminary Assessment Report (December 1990). Review of documents, employee interviews, and visual assessments were performed during these assessments. Nuclear Regulatory Commission and Command Commodity Licenses are discussed as well.

In order to verify the information documented in previous reports and to confirm that a comprehensive list of use, storage and disposal of radioactive material was evaluated under the CERFA assessment, this Center requested the U.S. Army Environmental Hygiene Agency (USAEHA) conduct a records review of radioactive materials use at CERFA installations. This effort was completed on 25 Mar 94. Information from this review has been incorporated into the final version of the CERFA report (text, tables, and maps) and will be listed as a reference.

This CERFA report will be provided to the Radiation Protection Officer at Sacramento Army Depot. Future preparations of CERFA reports (for other installations) and updates to this CERFA report in the form of the more detailed Site Specific Environmental Baseline Surveysd (where required) will be provided to appropriate radioactive material experts for review.

Although some work has been done regarding radiological issues, more is scheduled. The Army will work with your concerns throughout the base closure process to make sure they are adequately addressed.

Response To Specific Comments:

Comment 1) Page 2, 1.2 Definition of Terms: What is the basis for the designation of radionuclides as "non-CERCLA" hazards? Are radionuclides not regulated under CERCLA?

Response: The use of the term "non-CERCLA" has been deleted from the CERFA report. See response to EPA comment 1.

Comment 2) Pages 3 and 4 Geographic and Environmental Setting: The discussion of groundwater monitoring centers on the wells installed for the purpose of detecting the potential migration of contamination onto the facility. Were there no studies of the potential for off-site migration of contamination from the facility? Was there any monitoring of groundwater for levels of radioactivity in water, specially drinking water sources?

Response: The CERFA report also mentions "numerous on-site and off-site ground water monitoring wells have been installed to monitor known sources of contamination at the installation." Groundwater monitoring for radium 226 was conducted near the Building 300 Burn Pits. Analytical results for radium 226 were below action levels. Additional sampling will be conducted if through the Army's continuing assessment of radiological issues and during implementation of closure efforts throughout the installation, the BRAC Cleanup Team (comprised of installation and regulatory members) determines sampling and analysis for levels of radioactivity is appropriate.

Comment 3) Page 3, 1.3 Geographical and Environmental Setting: Did extensive investigation of the potential environmental impact of SAAD operations include interviews with installation personnel representing the facility's radiation safety program, e.g., the radiation safety officer? If not, why not?

Response: The installation Radiation Protection Officer (RPO) was not specifically interviewed during the CERFA assessment. However coordination with the RPO and installation Safety Office has occurred on various occasions during previous assessments and studies referenced in the CERFA report.

Comment 4) Page 5, 2.1 Existing Investigation Documents: No mention is made of document reviews and record searches used to identify where radioactive material was used, stored, or

disposed. No mention is made of documents and records from DOD organizations that are concerned with the use of radioactive materials. Specific and general licenses for radioactive material are not mentioned. Were these documents and records utilized?

Response: In addition to radiological discussions provided in the Installation Assessment (December 1979) and the Enhanced Preliminary Assessment (December 1990), the Review of USAEHA Records Pertaining to Radioactive Materials Use at CERFA Installations performed by USAEHA in Mar 1994 will be included.

Comment 5) Page 6, 2.2 Federal State and Local Government Regulatory Records CERCLA Sites: What are the details for the three sites listed in the last paragraph of this page. Are they inactive and abandoned? Is there any containment or control for potential migration off-site? Are there any data on the concentrations of radioactive material in environmental media associated with these sites?

Response: A brief description of the three sites are contained in the data search printouts provided in Appendix A of the CERFA report. Based on the information evaluated, there did not appear to be a threat of contamination from these sites onto the installation. This determination was based on the data search printout indicating no further remedial action planned. Data on radioactive material was not indicated.

Comment 6) Page 7, 2.2 RCRA Corrective Action: Did the EPA data base include information on mixed waste issues for SAAD as a RCRA-permitted facility?

Response: The data base printout from the RCRA Corrective Action Report was primarily for evaluating off-site property with potential impact onto Sacramento Army Depot. These data print outs are included in Appendix A of the CERFA report. The specific information on SAAD was not further investigated through the data base search (through federal records) since the information was available through the installation and the USAEHA Records Review. Information regarding mixed waste at SAAD was not included in the EPA data base search print out.

Comment 7) Page 7-8, FINDS Facilities: What are the details of radiation programs issued an EPA ID number at SAAD?

Response: Further details regarding the radiation programs at Sacramento Army Depot were not further explored through the data base search since detailed information regarding radiation use, storage, and disposal was obtained through the Army. Subsequent

to the draft report, USAEHA performed a records review to evaluate SAAD with respect to radiological issues. This information has been incorporated into the final version of the CERFA report. Locations of radiological storage was well defined, however, details on disposal are not well documented. Additional efforts will be conducted by the Army to evaluate disposal concerns as well as storage and use of radiological materials. Sampling and remediation will be implemented where appropriate. Note that general storage and disposal areas on the Depot where radiological issues may be present, are already designated as CERFA Disqualified parcels based on storage, release, or disposal of hazardous substances or petroleum products or their derivatives. Any additional information found following this CERFA effort will be included in future Site Specific or Basewide Environmental Baseline Surveys as required.

Comment 8) Page 8, 2.2, State Hazardous Waste Sites and Landfills: Were any of the operators or contractors of these SAAD sites discussed in this section issued specific licenses or general licenses for radioactive materials? What are the details of their "operational relationship" with SAAD? Are they attempting to recover metal, by smelting or salvage?

Response: The primary purpose of reviewing the State-designated hazardous waste cleanup sites data base was to determine the threat of contamination onto Sacramento Army Depot property from off-site sources. Details of the licenses were not pursued through this search. Current information on licenses can be obtained from the SAAD RPO. SAAD holds an NRC (for Lens Lapping Operation in Bldg 555 Electro-Optics Facility) and Commodity and Command licenses.

Comment 9) Page 8, 2.3 Interviews. What are the academic and vocational experiences of the Environmental Management Division at SAAD who were the main source of the information on environmental conditions at the facility? How long have they worked at SAAD and in what capacity?

Response: Additional information pertaining to biographies of personnel interviewed will be provided where data was gathered. However many of these questions were not posed during interviews, and are superfluous to the requirements established in Public Law 102-426.

Comment 10) Page 10. Table 2.3-1 Sacramento Army Depot Interview List: No mention is made of interviews with past or current SAAD radiation safety officers, nor with personnel from the Army's Environmental Hygiene Agency, nor with other DOD agencies with radiologic expertise. Were they not interviewed? What were or

are the position descriptions, duties, and times of employment for prior and current employees at SAAD who were interviewed?

Response: See response to USEPA comment 7.

Comment 11) Page 12, 3.1.1 History and Mission: Given the mission of SAAD as a depot for warehousing and repairing communication and advanced electro-optical equipment, has the Army determined that the components or devices that were part of the mission equipment were on the Army's exclusion list of commodities known to contain radium-226 and other radionuclides that were excluded from specific licensing by virtue of exempt concentrations of radioactive material or because of NORM? As examples, what were the concentrations of tritium (hydrogen-3) and promethium-147 for some of the fire control devices for mortar and anti-tank weapons, or the thorium-232 in the thermal imaging night vision devices, or the nickel-63 in the chemical agent monitor?

Response: Specific details on the presence of radiological equipment and levels of radioactive material may be obtained through the installation (with USEPA input through the installation if necessary). It is important to point out that Public Law 102-426 only required the Army to delineate that portion of Sacramento Army Depot which was "uncontaminated". As such, extensive information about contamination was purposefully excluded from the CERFA reports prepared by the Army as this information is, in general superfluous to the requirements of the CERFA law. The threat of contaminated areas migrating onto "uncontaminated" parcels was evaluated. Additional efforts were conducted to ensure that all data available on known storage, release, or disposal of radioactive material was reviewed and included in the final version of the CERFA report.

Comment 12) Page 13, 3.1.2 Hazardous Materials/Waste Management: Is there evidence that would justify a statement that mixed waste is or is not a scenario of concern at SAAD? If mixed waste is a potential issue, what are the details?

Response: Mixed waste is a potential concern at the Building 300 Old Burn Pits; however, site data collected to date does not indicate high levels of radioactivity. Excavation of the Building 300 Burn Pits is scheduled for this year. Additional radiation monitoring will be conducted during excavation. All work will be coordinated with appropriate installation and regulatory radiation experts. The Building 300 Old Burn Pits have been disqualified in the CERFA report due to disposal of hazardous waste materials.

Comment 13) Page 14, 3.1.2 Other Maintenance Areas: Were any of the equipment items referred to in the History and Mission section above, or other items with radioactive material, stored or repaired at the locations listed? Or was this determined?

Response: All areas where radioactive materials were known to have been stored have been included in the final version of the CERFA report.

Comment 14) Page 14.3.1.2 Storage Areas for Radiological Sources: What are or were the types, forms and quantities of the radioactive materials stored in the buildings listed? How were each of them used and where? What was the training and control over those who used them? How does the radiation safety program of SAAD apply to these sources and buildings. What is the status of these buildings? If the status of any of the buildings has changed to not include controls for radioactive material, what is the documentation for the release of these facilities from radiologic controls? If the sources were disposed of, or transferred, what is the documentation for their disposition?

Response: See response to comments 11 and 13 above.

Comment 15) Page 17. Previous Identified Areas Requiring Environmental Evaluation: Of the current eleven remediation projects at SAAD, how may have been determined not to have radioactive material as an issue? What is the status of SWMU ID Nos. 022, 036, 037, and AREE No. 42, that are referred to in this section as part of Table 4.1-1?

Response: All areas where radioactive material is a known issue is noted in Table 5.1-1 of the CERFA report. Additional efforts are underway to collect historic data on the presence of radioactive material, and all locations of potential radioactivity will be checked by the Depot and USAEHA. Radiological Close-out surveys and wipe sampling for radioactivity will be performed as buildings are vacated.

Comment 16) Page 20, 4.4.4 Radon: Where were the radon monitoring devices placed and what type were they? What was the protocol for placing and retrieving the devices? Were industrial areas monitored? What laboratory analyzed the devices for radon? What are the radon concentrations for SAAD?

Response: Detailed information on the Depot's radon monitoring program may be obtained from the Depot. See response to comment 11. Since radon levels were below 4 pCi/L there were no areas on the Depot requiring a Radon Qualifier as a parcel designation.

Comment 17) Page 21, 4.5 South Post Burn Pits: Are there any data on the concentration of radium-226 in the soil from this area to exclude the potential for elevated radium-226 levels from the burning of discarded equipment or components during the 1950s-1970s and the potential for groundwater contamination from these burn pits? If this scenario is asserted to be unlikely, what documentation can be provided to justify this assertion?

Response: Sampling and analysis for radium was not conducted at the South Post Burn Pits. Through previous records searches and environmental investigations including the Burn Pits Operable Unit Feasibility Study dated May 1992 and the most recent draft basewide Remedial Investigation/Feasibility Study (RI/FS) it was determined that materials that were reportedly buried and/or burned at the South Post Burn Pits included plating shop wastes, oil and grease, mercury batteries, uncontaminated building debris and some material from the Building 300 Burn Pits which were reportedly removed and transferred to the South Post Burn Pits. The list of contaminants of concern for this site did not include radium-226. However, since material was reportedly transferred from the Building 300 Burn Pits, radium-226 data from the Building 300 Burn Pits was utilized in the Risk Assessment for the South Post Burn Pits. This Risk Assessment is contained in the basewide RI/FS. The assumption was made that levels of radium-226 at the South Post Burn Pits would not exceed levels identified in the Building 300 Burn Pits since the Building 300 Burn Pits would be the source of potential radium-226 at the South Post Burn Pits. Sampling and analysis for radium-226 has been conducted at the Building 300 Burn Pits.

Comment 18) Page 22.4.5 Building 300 Old Burn Pits: If the inventory of waste buried or burned at these pits included radium dial paint and hazardous waste, they may constitute a mixed waste. This potential ought to be addressed.

Related to the two set of burn pits, are monitoring wells being considered, or have they been established to provide water samples for radioanalysis not only for ambient radiologic conditions, but for a determination of the possible contamination by radioactivity from SAAD sites?

Response: The issue of potential mixed waste at the Building 3000 Old Burn Pits is a concern and samples for radioanalysis have begun and will continue. See response to comments 2 and 12.

Comment 19) Pages 26-30. Table 4.1-1 Previously Identified Areas Requiring Environmental Evaluation (AREE) at SAAD: Have radioanalytic analyses of soils been performed at SWMU ID No. 002, i.e., Burn Pits, within this site and in close proximity to

it? The same applies to SWMU ID Nos. 007, 022, 034,, 036, 037 and AREE No. 42. What is the available documentation or justification for the existence of a Radioactive Waste Disposal Area known as SWMU ID Nos. 022, 036 and 037-what were the sources, their concentrations and form? What are or were the radiation sources stored in buildings 300 and 320? Building 300 is a current remediation area, and Building 320 is indicated as having no residual contamination. How was an absence of residual contamination determined? Is there any indication that low-level radioactive waste (particularly radium-226) might have been disposed of in SWMU ID Nos. 010, 011, 044, 046, 047, or 048? How was low-level radioactivity disposed of, if present at SAAD, in the 1950s?

Response: Only limited sampling and analysis has been performed to date. Additional efforts will be conducted (see response to comment 15) and appropriate actions will be taken to assess impacts to the CERFA report conclusions when data is available. Please note where storage, release or disposal of radiological material is a potential issue (warehouses, buildings, and disposal areas), these areas have already been designated as CERFA Disqualified Parcels due to the storage, release, or disposal of hazardous materials or petroleum products or their derivatives.